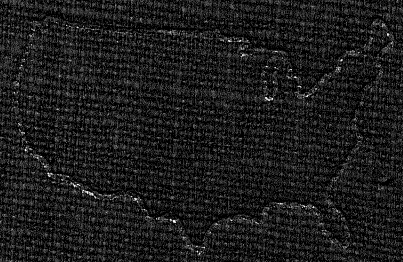
DIRECTORY OF UNIVERSITY RESEARCH BUREAUS AND INSTITUTES

FIRST EDITION



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DIRECTORY OF UNIVERSITY RESEARCH BUREAUS AND INSTITUTES

FIRST EDITION

A Guide to College and University Sponsored Bureaus, Institutes, Experiment Stations, Laboratories and Other Research Organizations Established on a Permanent Basis and Carrying on a Continuing Research Program: Agriculture, Business, Conservation, Education, Engineering, Government and Public Affairs, Labor, Law, Life Sciences, Mathematics, Science and Technology, Social Sciences.

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INTRODUCTION

One characteristic of the past decade has been the acceleration of effort concentrated upon research. Nowhere is this more apparent than in our colleges and universities. Here the volume of research in the scientific and behavioral fields is constantly mounting. It is estimated that some major universities spend as much as 25% of their total income on research activities.

This book is intended to identify and describe the activities of the myriad programs in American and Canadian institutions of higher learning and is designed to serve librarians, researchers, educators and government officials as a source of information on university sponsored research agencies.

A most difficult problem has been that of defining the research "bureau" or "institute." For the purposes of this volume, only those bureaus, institutes, experiment stations, laboratories and other organizations which conform to the following definition have been included: "A university or college sponsored unit set up on a permanent basis, carrying on a continuing research program and formally identified by a specific or distinctive title."

Agencies which concentrate primarily upon instruction and those in which research is of only secondary concern, have not been included. Nor have the many other research efforts which are conducted by individuals, by informal groups or by teaching departments. Neither have laboratories been included except for those which exist basically as research rather than teaching centers. This definition has limited the range of organizations included and many facilities have thereby been ruled out. In the field of higher education where research is such a universal activity and where virtually every professional practitioner is, at least in part, a researcher, such a restrictive definition has been essential. On the other hand, the term "research" has been interpreted broadly and the types of organizations listed include those engaged in fundamental, applied or developmental studies, as well as those carrying on programs of data gathering and synthesis.

The listings have been prepared in most cases from information obtained directly from each organization. Only those details which best describe and identify specific programs and their objectives are given. The length of the description and details provided are not intended in any way to be evaluative, nor should listing here be construed as recognition of any organization nor omission imply lack of status.

This edition of the Directory of University Research Bureaus and Institutes was compiled under the editorial direction of Paul Wasserman, Librarian and Associate Professor in the Graduate School of Business and Public Administration at Cornell University.

The organization, compilation and editing of this book is carried on as a continuing program and future editions are planned. The editors will greatly appreciate comments from readers concerning suggestions and revisions for future editions.

Users of this book are invited to submit requests for additional data to the Reader's Service Bureau maintained by the publisher. There is no charge for this service. Special forms for this purpose have been provided in the back of the book.

Before using this volume please refer to the pages which follow. Descriptive details concerning the arrangement of the book and of specific entries are provided to guide the reader in quickly locating the information sought.

HOW TO USE THIS BOOK

The organizations listed in this book are arranged in twenty-one sections including seventeen broad functional sections, two appendices and two indices (see Table of Contents page 3). Within each section listings of bureaus and institutes are arranged alphabetically by name of sponsoring college or university, i.e. University of California.

There are two appendices:

A) The first provides a membership list and background information on the newly organized association (1960) National Council of Research Administrators.

B) The second appendix lists University Presses. Many bureaus and institutes issue their own publications and reports, however in other instances the university press of the sponsoring institution assumes the responsibility for issuing various publications based on research resulting from bureau and institute programs as well as other university sponsored research efforts.

In addition there are two indices:

A) The first consolidates by sponsoring institution a list of all research organizations under its sponsorship.

B) For those interested in research bureaus and institutes in a specific geographic area, a second index provides a geographic list of the colleges and universities conducting research programs which are included in this volume.

DESCRIPTION OF LISTINGS

A sample listing is shown below. Each item of information is numbered and corresponds with the descriptive paragraph following the listing.

> Central University
> INSTITUTE OF PUBLIC ADMINISTRATION
> 1234 Main Street
> Wichita 10, Kansas — Founded 1937
> Dr. John J. Doe, Director — Staff: Professional 5, Other 10
>
> Conducts and sponsors research on theoretical and applied problems of state and local governments. Recent programs have included community economic analyses, urban land utilization, development of public recreation facilities for the aging, preparation of manual for city clerks, compensation of public officials. Sponsors Annual Symposium on Current Trends in State Industrial Development. Publication: Public Affairs Review, quarterly.

NAME OF COLLEGE OR UNIVERSITY. The name of the sponsoring university or parent institution with which the research organization is affiliated.

NAME OF RESEARCH ORGANIZATION. The formal name of the research facility. When the name of the college or university is a part of this title, it has not been repeated here. "The" and "Inc." have been omitted.

ADDRESS. The permanent address of the research bureau headquarters. In some instances this will differ from the city or even the state in which the main activities of the university or college are centered.

HEAD OF BUREAU. The name and title (Director, Chairman, Chief, etc.) of the operating head of the Bureau. Titles such as Dr. have been included only when they have been specified in the details provided by the organization.

FOUNDING DATE. The year in which the organization was formed.

STAFF. Most bureaus and institutes maintain a small permanent paid staff. This includes the head of the bureau mentioned in paragraph 4, as well as Associate Directors and Research Directors assigned to specific programs. In addition the staff often includes a Director of Public Relations, Editors and Librarians in addition to necessary clerical employees. The fact that the organization has a small staff does not necessarily mean that it does not carry on an active program, as many bureaus and institutes conduct extensive programs through the addition of temporary workers for specific projects. In addition they often utilize the services of faculty members and graduate students on a part time or temporary basis.

DESCRIPTION. A brief description of the program, activities, purposes and functions of the research body.

SPECIAL PROGRAMS. Details of seminars, conferences, or special meetings sponsored by the organization.

SERIAL PUBLICATION. Publications including periodicals, bulletins, journals and monograph series (but not including separate volumes). Frequency of issues is also indicated, i.e. monthly, bi-monthly, quarterly, irregular.

SECTION 1—EDUCATION

University of Alabama
BUREAU OF EDUCATIONAL RESEARCH
University, Alabama
John R. McClure, Chairman

Conducts school surveys and studies of various aspects of public education. Functions independently and in cooperation with other agencies. Issues publications based on research findings.

Arizona State University
BUREAU OF EDUCATIONAL RESEARCH AND FIELD SERVICES
Tempe, Arizona — Founded 1956
John B. Barnes — Staff: Professional 2, Other 1

Conducts governmental-grant research projects, state and regional research and local school studies. Maintains a speakers bureau and a tape library. Publications: School and College, quarterly, Research and Service Bulletin, 3 issues annually.

Boston College
OFFICE OF EDUCATIONAL RESEARCH
Chestnut Hill 67, Massachusetts — Founded 1957
Dr. Russell G. Davis, Director — Staff: Professional 1, Other 1

Conducts research and development in science evaluation, languages and professional education. Provides consultation service in testing, evaluation and statistical analysis.

University of Buffalo
EDUCATIONAL RESEARCH CENTER
Buffalo 14, New York — Founded 1954
Dr. John R. Warren, Director — Staff: Professional 2, Other 1

Carries on research studies in education of interest to the faculty and to the school systems of western New York, under sponsorship of cooperating school districts. Facilities and services are made available to interested school districts and others for contract research on educational problems and for a variety of field services, including surveys and related activities.

University of Buffalo
WESTERN NEW YORK SCHOOL STUDY COUNCIL
Cooke Hall
Buffalo 14, New York — Founded 1949
Dr. George E. Holloway, Jr., Exec. Sec. — Staff: Professional 2, Other 2

The Cooperative Research Project conducts detailed studies under the direction of the University's Educational Research Center. The Council's program centers upon exchange of ideas and sound practices, through the sponsorship of conferences, symposia and institutes. Research publications deal with financial data and curriculum practices in the region. Publications: Council Reporter, 8 issues annually, The News Exchange, quarterly.

Butler University
BUREAU OF RESEARCH AND CLINICAL SERVICES
College of Education
Indianapolis 7, Indiana
Dr. Roger W. Coulson, Director — Founded 1926

Maintains a library of tests and materials for use in educational research. Available for consultative assistance in planning and coordinating educational research. Sponsors studies in a range of educational areas.

University of California
FIELD SERVICE CENTER
311 Haviland Hall
Berkeley 4, California
Prof. J. Cecil Parker, Director — Founded 1952

Offers schools assistance in gaining solutions to problems of curriculum, personnel, guidance, evaluation, community needs, administration, public relations, school buildings, etc. Prepares publications concerned with practical educational problems and devises procedures and techniques for the study of these problems. Maintains a materials and reference center. Sponsors workshops, seminars, institutes and training sessions.

Catholic University of America
REMEDIAL CLINIC
Washington 17, D.C. — Founded 1939
Dr. Richard P. Youniss, Admin. Dir. — Staff: Professional 2

Conducts research and sponsors workshops in field of remedial reading.

Central Michigan University
DEPARTMENT OF SPECIAL STUDIES
Mt. Pleasant, Michigan — Founded 1952
Charles B. Park, Director — Staff: Professional 3, Other 1

Plans, directs and coordinates experimental studies in applied education. Areas of experimentation include: use of teacher aides, new instructional materials, teacher recruitment efforts and use of space, materials, etc.

University of Chicago
COMPARATIVE EDUCATION CENTER
5835 Kimbark Avenue S.
Chicago 37, Illinois — Founded 1958
Prof. C. Arnold Anderson, Director — Staff: Professional 3, Other 1

Conducts a program of crosscultural studies of relations between education and society.

University of Chicago
MIDWEST ADMINISTRATION CENTER
5835 S. Kimbark Avenue
Chicago 37, Illinois — Founded 1955
Dr. Roald F. Campbell, Director — Staff: Professional 3, Other 3

Ecology of administration, the sociology of organizations, personal variables of administrators, and selection and training of administrators, with particular concentration in educational agencies, provide the focus for the research program. Sponsors workshops, clinics, and conferences for school administrators. Publication: The Administrator's Notebook, monthly.

Columbia University
CURRICULUM SERVICE CENTER
Teachers College
525 W. 120th Street
New York 27, New York

Provides consultant services on curriculum development problems of elementary schools, secondary schools, community colleges, teachers colleges and state departments of education.

Columbia University
EVALUATION AND MEASUREMENT SERVICE CENTER
Teachers College
New York 27, New York
Dr. Robert L. Thorndike

Provides service to school systems in planning and establishing evaluation programs and prepares tests and evaluation devices for governmental and other agencies.

Columbia University
HORACE MANN - LINCOLN INSTITUTE OF SCHOOL EXPERIMENTATION
Teachers College
New York 27, N. Y. — Founded 1943
Arthur W. Foshay, Executive Officer — Staff: Prof. 4, Other 4

Conducts educational experimentation in the public schools of the country. Study areas are with students in school, their experiences, the development and growth of the adults responsible for their education and the broad social factors which have an impact on the quality of education. Most of the projects are action research, or applied to the solution of particular problems. Findings are issued as books, monographs and films.

Columbia University, Teachers College
METROPOLITAN SCHOOL STUDY COUNCIL
Institute of Administrative Research
525 West 120th Street
New York 27, New York — Founded 1942
Bernard H. McKenna, Exec. Secretary — Staff: Professional 8, Other 3

A cooperative research organization which conducts continuous and cumulative studies directed toward contributing basic understanding of educational problems. Efforts have focused upon community and staff characteristics and financing policies. Serves as a clearing house for teaching ideas and methods. Conducts special studies of specific problems, including the collecting of statistics on class size, financial data, etc. Sponsors several meetings a year related to research and informational programs. Publication: Exchange, bi-monthly.

Columbia University
INSTITUTE OF ADMINISTRATIVE RESEARCH
Teachers College
525 West 120th Street
New York 27, New York — Founded 1942
William S. Vincent, Executive Officer — Staff: Professional 6, Other 6

Serves as central administrative core for the following activities: Metropolitan School Study Council, an organization of schools in and around New York City, Associated Public School Systems, a nationwide sample of schools, Central School Study, an organization of central rural schools in New York State. Each of these research affiliates support the Institute and serve it as working laboratories for studies on school costs, quality, staffing patterns and the influence of community factors and public opinion on education. Publications: Exchange, bi-monthly, Know-How, quarterly, Central Ideas, quarterly.

Columbia University
INSTITUTE OF ADULT EDUCATION
Teachers College
New York 27, New York — Founded 1941
Dr. Paul L. Essert, Executive Officer — Staff: Professional 1, Other 1

Conducts research, on education and development of adult education leadership. Recent studies covered such fields as: adult education and community development; educational needs and potentialities of the aging; Revision and modernization of professional education for adult education leadership. Sponsors occasional seminars and conferences.

Columbia University
INSTITUTE OF FIELD STUDIES
Teachers College
525 W. 120th Street
New York 27, New York — Founded 1921
Dr. Willard S. Elsbree, Exec. Officer — Staff: Professional 2, Other 1

Aids school systems in the solution of applied problems. Conducts comprehensive school surveys covering all aspects of educational organization, school plant studies to provide a basis for long range school building needs and curriculum planning surveys designed to improve the educational program in particular schools or school systems. Research results are issued in published reports.

Columbia University
INSTITUTE OF HIGHER EDUCATION
Teachers College
525 West 120th Street
New York 27, New York
Dr. Earl J. McGrath, Exec. Officer — Staff: Professional 3, Other 2

Conducts research in administration, curriculum, faculty and finance. Provides advisory services to institutions in the conduct of self-surveys and conducts studies for those institutions seeking an evaluation and recommendations from outside consultants. Publishes and disseminates research findings.

Columbia University
INSTITUTE OF LANGUAGE ARTS
Teachers College
New York 27, New York
Dr. Arthur Gates, Supervisor of Res. — Founded 1956

Conducts studies related to development of materials and methods of diagnosing pupils reading needs; studies of good versus poor reader, spellers listeners, etc; reviews methods used in teaching language arts. Sponsors frequent invitational seminars.

Columbia University
INSTITUTE OF PSYCHOLOGICAL RESEARCH
Teachers College
New York 25, New York
Dr. Irving Longe, Executive Officer — Founded 1921

Conducts studies in psychological fields, particularly in relation to learning processes. Areas of analysis have included the psychology of teaching arithmetic and algebra, of language learning, of the adult student, communications and testing. Sponsorship includes government agencies and foundations. Research results are issued in various published forms.

Cornell University
OFFICE OF FIELD SERVICES
School of Education
Rand Hall
Ithaca, New York
Prof. Claude L. Kulp, Coordinator

Provides consultant and survey services on the current problems of schools. Areas of study include curriculum, science education, staffing, finance, transportation, buildings and programs and policies.

University of Denver
BUREAU OF EDUCATIONAL RESEARCH
Denver 10, Colorado
Dr. Harold E. Moore, Director — Staff: Professional 2, Other 2

Conducts studies and analyses dealing with problems in educational administration, facilities and practices for school boards and educational organizations in the state. Publishes its findings in the form of reports.

DePauw University
BUREAU OF TESTING AND RESEARCH
2 Harrison Hall
Greencastle, Indiana — Founded 1945
Dr. John E. Exner, Jr., Director — Staff: Professional 3, Other 1

Conducts educational research-remedial reading research as well as psychiatric research in diagnosis and treatment methods. Develops objective tests for educational purposes.

Eastern Michigan University
CENTER FOR RESEARCH IN EDUCATION AND THE SOCIAL SCIENCES
Ypsilanti, Michigan
Dr. Ellis Batten Page, Chairman — Founded 1959

Recently begun in order to serve as a clearing house on research problems and to stimulate, advise and promote faculty research efforts in the educational field.

Emory University
TESTING AND GUIDANCE SERVICE
Atlanta 22, Georgia — Founded 1948
Dr. Earl C. Brown — Staff: Professional 1, Other 2

Conducts research dealing with construction and validation of various kinds of instruments for predicting academic achievement and evaluating achievement levels. Sponsors APA, SEPA, ETS Invitational Conference.

Florida State University
EDUCATIONAL RESEARCH AND TESTING
Tallahassee, Florida — Founded 1957
H.A. Curtis, Head — Staff: Professional 4, Other 3

Research efforts relate to educational measurement and population analyses.

University of Georgia
BUREAU OF EDUCATIONAL STUDIES AND FIELD SERVICES
Athens, Georgia — Founded 1945
Doyne M. Smith, Director — Staff: Professional 5, Other 2

Recent research efforts have dealt with private schools in the state, teacher supply and demand, curricular choices of the academically talented, school plant construction costs and the stability of the teaching forces. Staff also renders consultative services to school systems and the State Department of Education.

Harvard University
CENTER FOR FIELD STUDIES
20 Oxford Street - Spaulding House
Cambridge 38, Massachusetts
Dr. Allan S. Hartman, Exec. Director — Staff: Professional 2, Other 2

Engages in studies of public school systems in such fields as program, facilities, finances, and community background. Findings and recommendations are published in reports to the school system and as scholarly papers. Sponsors Annual Advanced Administrative Institute, a ten-day session for school superintendents.

Harvard University
LABORATORY FOR RESEARCH IN INSTRUCTION
Graduate School of Education
7 Kirkland Street
Cambridge 38, Massachusetts — Founded 1956
Dr. John B. Carroll, Director — Staff: Professional 6, Other 5

Research focuses upon effective classroom learning and how it is influenced by such factors as teacher behavior, variations in the organization and presentation of curriculum materials and prior experiences of the learner. Methodological tools of the behavioral sciences are employed. Specific recent study areas include language arts and foreign languages, social studies teaching, science teaching and the teacher's role in instruction.

University of Houston
BUREAU OF EDUCATION RESEARCH AND SERVICES
Houston 4, Texas
Dr. Richard D. Strahan, Act. Director — Founded 1959

Services include studies of school building programs, surveys of educational efficiency, improvement of school curricula, interpretation of school programs and publication of research results. A recent study centered on the teaching of physics by television.

University of Illinois
BUREAU OF EDUCATIONAL RESEARCH
1007-1/2 South Wright Street
Champaign, Illinois — Founded 1918
Dr. William P. McLure, Director — Staff: Prof. 13, Other 13

Research activities seek to advance knowledge of school administration, curriculum and instructional affairs, and evaluation of educational effectiveness.

Indiana State Teachers College
DIVISION OF RESEARCH AND TESTING
Terre Haute, Indiana — Founded 1930
Dr. Charles W. Hardaway, Director — Staff: Professional 1

Conducts educational research concerning curricula, student enrollments, withdrawals, etc, and institutional research dealing with staff, finance, room utilization, etc. Publication Teachers College Journal, 6 issues.

Indiana University
BUREAU OF SERVICE AND RESEARCH
School of Health, Physical Education and Recreation
Bloomington, Indiana — Founded 1946
Karl W. Bookwalter, Prof. of Phys. Ed. — Staff: Professional 1, Other 1

Conducts research and responds to requests for research aid from the field. Prepares statistical analyses of data related to school operation and organization.

Indiana University
INSTITUTE OF EDUCATIONAL RESEARCH
Rogers K
Bloomington, Indiana — Founded 1951
Dr. Nicholas A. Fattu, Director — Staff: Professional 2, Other 2

Research focuses on basic problems. Emphasis is upon producing new knowledge about instruction through theory construction, original laboratory and classroom studies and experiments, critically reviewing research and development in related areas, and developing new research tools--mechanical and electronic recording instruments, achievement, aptitude, and personality tests and new data processing techniques and programs. Publication: Bulletin of the Institute of Educational Research, irregular.

State University of Iowa
BUREAU OF EDUCATIONAL RESEARCH
Iowa City, Iowa
Bruce E. Mahan, Acting Director

Kansas State Teachers College
BUREAU OF EDUCATIONAL MEASUREMENTS
Emporia, Kansas — Founded 1914
Dr. Merritt W. Sanders, Director — Staff: Professional 5, Other 5

Develops and publishes educational tests and conducts a program of test services.

University of Kansas
BUREAU OF EDUCATIONAL RESEARCH AND SERVICE
Lawrence, Kansas

Maintained to systematize efforts in the educational field. Arranges for professional services of specialists in the study of public school problems in the state.

Kent State University
BUREAU OF EDUCATIONAL RESEARCH AND SERVICE
Kent, Ohio — Founded 1957
Dr. Roy E. Wenger, Director — Staff: Professional 1, Other 1

Offers professional research assistance and special services to regional educational groups and institutions. Serves also as a clearinghouse for faculty research. A recent study in cooperation with the Department of Secondary Education centered upon secondary schools in Northeastern Ohio. Service facilities include a School Survey Center, a Reading Center, a Curriculum Materials Library and a Guidance Testing Center. Sponsors research seminars and conferences.

University of Kentucky
BUREAU OF SCHOOL SERVICE
Lexington, Kentucky — Founded 1927
Dr. Paul Street, Director — Staff: Professional 1, Other 1

Major activities are the conducting of school district surveys and provision of consultant services to schools in the state. Research reports embody the results of investigations into educational problems of the region. Publication: Bulletin of Bureau of School Service, quarterly.

Laval University
RESEARCH SECTION
71 d'Autevil
Quebec, Canada — Founded 1943
Romeo Miville — Staff: Professional 3, Other 3

Conducts research in educational sociology, educational psychology and in methods of teaching.

Lehigh University
BUREAU OF EDUCATIONAL SERVICE
Bethlehem, Pennsylvania
Harold P. Thomas, Head — Founded 1953

Purposes include the rendering of professional assistance to educational agencies in the cooperative study of their problems, the fostering of educational research, and the making more readily available the educational research facilities of the university.

Louisiana State University
BUREAU OF EDUCATIONAL MATERIALS AND RESEARCH
Baton Rouge 3, Louisiana — Founded 1943
Dr. C.W. Hilton, Director — Staff: Professional 3, Other 1

Directs, prepares and publishes studies in the fields of public school administration, finance, building, transportation, instruction, and personnel, in cooperation with school officials and organizations in the state. Prepares material for instructional use in Louisiana elementary and secondary schools.

Miami University
BUREAU OF EDUCATIONAL FIELD SERVICES
200 McGuffey Hall
Oxford, Ohio — Founded 1956
Dr. Ralph D. Purdy, Director — Staff: Professional 1, Other 1

Conducts curriculum research, educational program analysis, school building surveys, school district organization studies, and consulting service to public school faculties on educational problems defined by them and on which they request professional assistance. Sponsors Annual Clerk's Clinic, a workshop for clerks of Boards of Education, and programs as needs arise.

Michigan State University
BUREAU OF EDUCATIONAL RESEARCH
East Lansing, Michigan — Founded 1954
Dr. Wilbur B. Brookover, Director — Staff: Professional 4, Other 4

Stimulates and encourages faculty research, seeks research support, keeps faculty abreast of educational research and conducts efforts in various fields of educational administration. An integrated program of research is just beginning to be developed. Publication: College of Education Quarterly.

Michigan State University
CONTINUING EDUCATION RESEARCH — Founded 1953
East Lansing, Michigan — Staff: Professional 1, Other 1

Conducts research studies designed to contribute understanding of the nature and values of continuing education. Efforts deal with conference evaluation, cross cultural understanding, coordination in American research planning and the use of specialists in improving the educational process.

University of Minnesota
BUREAU OF EDUCATIONAL RESEARCH
330 Burton Hall
Minneapolis 14, Minnesota — Founded 1923
Dr. E. Paul Torrance, Director — Staff: Professional 1, Other 1

Conducts a program of fundamental and applied educational research. Recent projects have included: measurement and growth of creative thinking abilities, role of evaluation in creative thinking, peer pressures against highly creative individuals, learning of mathematics in greater London area compared with greater Twin Cities area, and a survey of social science teachers in Minnesota. Research results are disseminated in the bureaus publication series. Co-sponsor of the Minnesota Conference on Gifted Children. Publications: Modern School Practices Monographs, irregular, University of Minnesota Studies in Education, irregular, Research Memoranda, irregular.

Mississippi Southern College
DEPARTMENT OF RESEARCH AND FIELD STUDIES
Box 24 - Station A
Hattiesburg, Mississippi — Founded 1950
Dean Ralph S. Owings, Chairman — Staff: Professional 1, Other 1

Conducts surveys of schools and county school systems and research on special school problems including building studies.

Mississippi Southern College
READING CLINIC
Box 26 - Station A
Hattiesburg, Mississippi — Founded 1947
Dr. Ralph C. Staiger, Director — Staff: Professional 2, Other 1

Conducts research in various phases of the language arts. Recent effort has centered on the influence of an anti-depressant drug on reading improvement.

University of Mississippi
BUREAU OF EDUCATIONAL RESEARCH
School of Education
University, Mississippi
Prof. John E. Phay , Director — Founded 1946

Provides research study of problems related to the state's school needs. Studies deal with fundamental as well as applied school situations.

Montana State University
BUREAU OF EDUCATIONAL RESEARCH AND SERVICES
School of Education
Missoula, Montana
Vernon Sletten, Director — Founded 1957

Serves as central clearing house for studies. Coordinates field services and carries on a program of independent studies related to educational objectives. Publication: Research Record, monthly.

Nebraska State College
DEPARTMENT OF RESEARCH
Chadron, Nebraska — Founded 1957
Dr. K.W. Findley, Director — Staff: Professional 1, Other 1

Conducts studies of applied educational problems. A recent effort was a study of the relation between teacher education programs and teaching success.

State University of New York College of Education
CENTER FOR FIELD SERVICES
Albany, New York
Prof. Donald T. Donley

North Carolina College
BUREAU OF EDUCATIONAL RESEARCH
Box 617
Durham, North Carolina — Founded 1947
Dr. W. N. Smith, Director — Staff: Professional 1, Other 1

Undertakes basic field studies in areas such as health, human relations, inservice education, and effectiveness of schools with a view toward clarifying and suggesting sound educational programs in these areas. The Bureau staff works in collaboration with college teachers, public school teachers, and graduate students.

University of North Carolina
BUREAU OF EDUCATIONAL RESEARCH AND SCHOOL SERVICE
Box 810
Chapel Hill, North Carolina
Arnold Perry, Dean — Founded 1930

Conducts school surveys, special achievement and ability testing, research in teacher education, in curriculum and in the problems of school administration.

University of North Dakota
BUREAU OF EDUCATIONAL MEASUREMENT AND RESEARCH
Department of Education
Grand Forks, North Dakota
Dr. Archie Gray — Founded 1921

Conducts surveys of local school systems and of state-wide testing programs. Sponsors and publishes faculty research efforts. Publication: College of Education Record, monthly.

Ohio State University
BUREAU OF EDUCATIONAL RESEARCH AND SERVICE
1945 N. High Street
Columbus, Ohio — Founded 1921
Prof. Herschel W. Nisonger, Director — Staff: Prof. 27, Other 23

Conducts a wide range of administrative, developmental and research activities related to educational affairs. Research is largely centered in the Division of Educational Research which seeks to work out fundamental ideas about education and its processes and to serve as a resource for stimulating, expediting and pursuing research in the Bureau and the College of Education. Sponsors institutes, training sessions and seminars relating to educational issues. Publication: Educational Research Bulletin, 9 issues annually.

Ohio State University
CENTER FOR SCHOOL EXPERIMENTATION
Columbus 10, Ohio — Founded 1959
Dr. Alexander Frazier, Director — Staff: Professional 37, Other 5

Conducts cooperative studies with public schools in Ohio in the areas of experimental program development and professional growth. Also sponsors basic research efforts.

Ohio University
CENTER FOR EDUCATIONAL SERVICE
201-202 Education Building
Athens, Ohio — Founded 1948
Dr. Gilford Crowell, Director — Staff: Professional 4, Other 2

Divided into five divisions: Administrative Services, Curriculum and Instructional Services, Economic Education, Pupil Services (guidance, testing), and Research and Publications. Each division is responsible for field service, drive-in conferences, research, and publications; however, the last named division specializes in research and publications and assumes responsibility for carrying out research efforts and encouraging other faculty members to participate in research. Sponsors conferences and workshops for supervisors, principals, superintendents, and teachers.

University of Oregon
BUREAU OF EDUCATIONAL RESEARCH
Eugene, Oregon — Founded 1957
Dr. Keith Goldhammer, Director — Staff: Professional 1, Other 1

Provides consultant and field services for the school districts of the state. Conducts research on specific problems for educational institutions. Serves as sponsoring agency for the Oregon School Study Council, a cooperative organization of schools in the state.

George Peabody College for Teachers
DIVISION OF SURVEYS & FIELD SERVICES
Nashville 5, Tennessee — Founded 1929
W.D. McClurkin, Director — Staff: Professional 4, Other 3

Conducts comprehensive surveys of state and local school systems, developmental research in teacher education, contract research for government agencies in education and training.

Pennsylvania State University
OFFICE OF EDUCATIONAL RESEARCH OF THE DEPARTMENT OF EDUCATIONAL SERVICES
8 Burrowes Building
University Park, Pennsylvania — Founded 1948
Dr. Hugh M. Davison — Staff: Professional 1

Serves as advisory agency to faculty research. Conducts studies on its own for other agencies and also advises the Pennsylvania School Study Council and the Pennsylvania State Department of Public Instruction. Publication: Penn State Review of Educational Research, biannually.

University of Pennsylvania
EDUCATIONAL SERVICE BUREAU
3810 Walnut Street
Philadelphia 4, Pennsylvania — Founded 1939
Dr. Lee O. Garber, Director — Staff: Professional 5, Other 2

Sponsors five study councils, each of which meets regularly and engages in research efforts related to educational problems. Research study results are published by the Bureau. Two continuing areas of investigation are educational costs and services, and school personnel. Conducts numerous meetings, institutes and special programs. Publication: Newsletter, quarterly.

University of Pittsburgh
TRI-STATE AREA SCHOOL STUDY COUNCIL
2817 Cathedral of Learning
Pittsburgh 13, Pennsylvania — Founded 1948
Dr. Maurice J. Thomas, Exec. Sec. — Staff: Professional 2, Other 1

The Council's efforts center on the exchange of materials and ideas, research into problems of educational administration and instruction, and the diffusion of new knowledge. It is a cooperative effort of the university and the public school leaders of the region. The program is flexible and seeks to respond to the changing needs of the membership. Sponsors frequent conferences, seminars and an annual Horace Mann Lecture. Publication: Public School Digest, irregular.

Prairie View A & M College of Texas
PRAIRIE VIEW RESEARCH COMMITTEE
Prairie View, Texas — Founded 1950
Dr. Curtis A. Wood, Chairman — Staff: Professional 1, Other 1

Studies center upon negro life in Texas, with particular relation to education and development. Research results are issued in published form. Sponsors annual conference on education.

University of Puerto Rico
DIVISION OF EDUCATIONAL RESEARCH
Superior Council on Education
Rio Piedras, Puerto Rico — Founded 1942
Ismael Rodriguez Bou, Secretary — Staff: Professional 11, Other 3

Conducts research on problems which affect education in Puerto Rico. The problems may be classified under three areas: illiteracy and adult education, language arts and scholastic achievement. Most recent effort centered on a survey of the educational system.

Purdue University
DIVISION OF EDUCATIONAL REFERENCE
Lafayette, Indiana — Founded 1925
H.H. Remmers, Director — Staff: Professional 3

Conducts program of research related to the region's educational interests. Publication: Studies in Higher Education, irregular.

Rutgers-The State University
DIVISION OF FIELD STUDIES AND RESEARCH
School of Education
New Brunswick, New Jersey — Founded 1954
W. Donald Walling, Director — Staff: Professional 1, Other 1

Provides educational services on a contractual basis. Conducts field studies of buildings, programs, communities and finance. Studies educational problems of state-wide significance and seeks to find improved techniques for education. Recent efforts involved school district organization and finance in both New York and New Jersey.

University of South Carolina
BUREAU OF RESEARCH
School of Education
Columbia 1, South Carolina — Founded 1957
Dr. Robert A. Weber, Director — Staff: Professional 1, Other 1

Conducts studies of various aspects of public education in cooperation with and under the sponsorship of various educational agencies and organizations. Areas of analysis include problems of educational administrations, curriculum, physical plant, school finances and teaching personnel.

Southern Illinois University
EDUCATIONAL RESEARCH BUREAU
Carbondale, Illinois
Dr. Jacob O. Bach, Head — Founded 1951

Designed to serve school districts in Illinois, primarily on school surveys. Additional work is done on federal grants and institutional research.

Stanford University
SCHOOL PLANNING LABORATORY
School of Education
Stanford, California — Founded 1950
Dr. James D. MacConnell, Director — Staff: Professional 3, Other 1

Conducts applied research and investigations concerning the planning of the learning environment, special facilities, maintenance, economics, and working with the industry on design of equipment and furniture. Most of the research is coordinated with the advanced programs in educational administration and research, school business management and school planning. Sponsors annual School Building Institutes and Workshops, and specialized study workshops periodically which focus on local district planning problems and building programs. Publication: SPL Reports, quarterly.

Temple University
EDUCATIONAL SERVICE BUREAU
Philadelphia 22, Pennsylvania — Founded 1954
Dr. Leon Ovsiew, Director — Staff: Professional 1, Other 1

Seeks to help schools and other educational agencies, at all levels, by applying consultation, evaluation and research techniques to the solution of problems. Service includes surveys of school administration, buildings, business management, curriculum, finance, personnel and related areas. Sponsors the Philadelphia Area School Study Council, an organization of local school districts engaged in cooperative efforts to improve their schools. Sponsors School Board Institute meetings on educational problems and workshops and seminars for school and lay groups.

East Texas State College
BUREAU OF EDUCATIONAL RESEARCH
Commerce, Texas
Dr. V.C. Arnspiger, Director

University of Texas
BUREAU OF LABORATORY SCHOOLS
Austin 12, Texas
Dr. Henry Otto — Founded 1946

Conducts research and issues monographs on applied problems of elementary schools.

University of Texas
OFFICE OF SCHOOL SURVEYS AND STUDIES
325 Sutton Hall
Austin 12, Texas — Founded 1954
W.E. Barron, Director — Staff: Professional 3, Other 1

Conducts surveys of public schools on problems relating to educational administration, curriculum, plant, teaching personnel and finances.

Utah State University
BUREAU OF EDUCATIONAL RESEARCH
Main 824,
Logan, Utah — Founded 1957
Dr. Walter R. Borg, Chairman — Staff: Professional 1, Other 1

Coordinates plans and conducts educational research on problems of regional interest. Provides information and research services to Utah educational administrators.

University of Utah
BUREAU OF EDUCATIONAL RESEARCH
Salt Lake City, Utah — Founded 1926
Dr. Andrew W. Halpin, Director — Staff: Professional 2, Other 1

Conducts basic research on educational problems of state and national significance. Recent illustrative area of study included The Organizational Elements of Schools and Biography and Personality Characteristics of Elementary School Principals. Provides consultation services to university, state and local agencies.

University of Virginia
DIVISION OF EDUCATIONAL RESEARCH
Old Cabell Hall
Charlottesville, Virginia — Founded 1953
Dr. Frank W. Banghart, Director — Staff: Professional 1, Other 1

Conducts studies, basic and applied. Recent efforts centered on predictive variables for success in engineering school, a critique of science education in Virginia, analysis of teacher education in Virginia, relative creativity of high and low achievers and the relation between interests and achievements.

University of Washington
BUREAU OF EDUCATIONAL RESEARCH AND SCHOOL SERVICE
Seattle 5, Washington — Founded 1935
Dr. John E. Corbally, Director — Staff: Professional 1, Other 1

Conducts and publishes research by members of the staff and reviews of doctoral dissertations in the educational field. Publication: College of Education Record, quarterly.

Wayne State University
FIELD SERVICES AND SCHOOL STUDIES
121 Old Main
Detroit 2, Michigan — Founded 1959
Carroll Munshaw, Director — Staff: Professional 1, Other 1

Makes available to public schools of the state the resources of the university for improvement on evaluative studies of individual institutions or school districts.

SECTION 2—SOCIAL SCIENCES

American University
SPECIAL OPERATIONS RESEARCH OFFICE
4501 Massachusetts Avenue, N.W.
Washington 16, D. C. Founded 1955
Col. Kai E. Rasmussen, Director Staff: Prof. 35, Other 45

Conducts non-material research, principally of a socio-psychological nature, in support of the U.S. Army mission. Prepares attitudinal area handbooks on forty different countries.

Antioch College
ENGINEERING PSYCHOLOGY RESEARCH PROJECT
Yellow Springs, Ohio Founded 1948
Dr. Harry J. Jerison, Director Staff: Professional 2, Other 5

Conducts psychological research on vigilance, noise, time perception, work and effort, on animal behavior under stress and on brain evolution, and in such fields of engineering psychology as decision making, form perception, and attention-getting characteristics of warning signals. Some efforts are carried out in conjunction with the college's Aero Medical Laboratory.

University of Arizona
BUREAU OF ETHNIC RESEARCH
1003 N. Palm Road
Tucson, Arizona Founded 1952
Dr. William H. Kelly, Director Staff: Professional 5, Other 2

Conducts demographic, economic, and social studies of American Indian tribes. Maintains an information center on Indian affairs, principally for the benefit of state and tribal officials. Publication and lecture programs provide public information on Indian affairs. Publication: American Indian Series, irregular.

Boston University
COMMUNICATIONS RESEARCH CENTER
640 Commonwealth Avenue
Boston 15, Massachusetts Founded 1959
Dr. Edward J. Robinson, Chairman Staff: Professional 1, Other 1

Prepared to conduct research in and for the communications industries (newspapers, magazines, radio, television and motion pictures). Especially interested in public relations related spheres such as characteristics and motivations of audiences; media selection and analysis; design and measurement of effects of pamphlets, reports, employee publications,etc.

Boston University
HUMAN RELATIONS CENTER
Boston, Massachusetts
Kenneth D. Benne, Director

University of British Columbia
INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH
Vancouver 8, B.C., Canada
B.R. Blishen, Director Founded 1957

Recent studies have centered on Asian migration, comprising analyses of social and economic integration of Asian groups in British Columbia; determinants of occupational choice considering the factors affecting choice of academic career; occupational roles-analyses of nurse, librarian, etc.

University of Buffalo
CREATIVE PROBLEM SOLVING INSTITUTE
Buffalo 14, New York Founded 1955
Dr. Sidney J. Parnes, Director Staff: Professional 1, Other 1

Conducts applied research concerning the development of creative ability. Activities are supported by the Creative Educational Foundation. Provides consultation service to industry and government. Sponsors annual three-day creative problem-solving institute each summer. Offers extension courses, institutes, workshops, seminars, and indoctrination sessions from time to time. Sponsored jointly with Millard Fillmore College. Publication: Proceedings of the Creative Problem-Solving Institute, annual.

University of California
HELLER COMMITTEE FOR RESEARCH IN SOCIAL ECONOMICS
480 Library Annex
Berkeley 4, California Founded 1923
Prof. Emily H. Huntington, Chairman Staff: Professional 2, Other 1

Conducts a program of continuing social studies. Typical recent efforts have included a study of the cost of medical care, an analysis of the income and expenditures of salaried workers, and a survey of the employment problems of older women. Publication: Quality and Cost Budgets for Two Income Levels, annual.

University of California
INSTITUTE OF HUMAN DEVELOPMENT
2251 College Avenue
Berkeley 4, California Founded 1927
Dr. Harold E. Jones, Director Staff: Professional 11, Other 7

Maintains three growth studies (normal samples) begun 1928-31. Maintains a Child Study Center and observational and research facilities for teaching departments. Conducts interdisciplinary research on human development. A center for research on aging is being planned.

University of California
INSTITUTE OF PERSONALITY ASSESMENT AND RESEARCH
2240 Piedmont Avenue
Berkeley, California
Donald W. MacKinnon, Director

University of California
INSTITUTE OF SOCIAL SCIENCES
2222 Piedmont Avenue
Berkeley 4, California
Dr. Herbert Blumer, Director Founded 1958

Fosters and aids research in social science by university faculty members, by soliciting and allocating support from outside sponsors to interdisciplinary studies.

University of California
SURVEY RESEARCH CENTER
2220 Piedmont Avenue
Berkeley 4, California
Dr. Charles Y. Glock, Director Founded 1958

Research program is just beginning, but it will, in general, reflect the social research interests of the university's social science facility. Sponsors informal annual summer seminar on Public Opinion and Attitude-Research. Sponsors weekly seminar on Methodology of Social Research and monthly meeting on the Application of Survey Research in the Social Sciences.

Catholic University of America
BUREAU OF SOCIAL RESEARCH
Washington 17, D.C. Founded 1959
R.Rev.Msgr.Paul Hanley Furfey,Director Staff: Professional 1

Research in progress on sociological problems in human genetics and the factors involved in marginal employability. As the only bureau of its kind in any American Catholic institution, it is anticipated that studies may develop dealing with Catholic parishes and other similar organizations. Special emphasis will be placed on advanced methods of sociological data processing.

University of Chicago
CENTER FOR THE STUDY OF CREATIVITY AND MENTAL HEALTH
5737 South Drexel Avenue
Chicago 37, Illinois — Founded 1957
Dr. Morris I. Stein, Assoc. Professor — Staff: Professional 2, Other 1

Undertakes studies involving the investigation of psychological and social factors affecting creativity. Conducts research on the factors which are related to mental health. Research results are published in books or journal articles.

University of Chicago
CENTER FOR THE STUDY OF LEISURE
570 Lexington Avenue
Room 705
New York 22, New York
Prof. Rolf Meyersohn, Director — Founded 1955

Conducts studies which explore various aspects of the sociology of leisure.

University of Chicago
COMMITTEE ON HUMAN DEVELOPMENT
5835 South Kimbark Avenue
Chicago 37, Illinois — Founded 1940
Prof. Robert D. Hess, Chairman — Staff: Professional 4, Other 5

An interdisciplinary committee whose primary objectives are to conduct research in human behavior and to train students to do skilled jobs in either research or applied areas dealing with interpersonal relations. The program is oriented about three broad aspects: the psychological development of the individual; the social organizations which influence the individual and through which he relates to others; and the biological bases of behavior. Research is centered in the following areas: mass media, psychoanalysis, occupations and professions, meanings of play, adult personality, child psychology, social psychology of family interaction, problems in symbolic and motivational analysis, research on ego-identity in adolescence, research in middle age and aging, symbolic behavior, etc. Publication: Human Development Bulletin, annual.

University of Chicago
FAMILY STUDY CENTER
935 East 60th Street
Chicago 37, Illinois — Founded 1951
Dr. Ernest W. Burgess, Acting Director — Staff: Professional 2, Other 2

Recent research included a major project on comparative study of marriage and divorce and other studies on physical distance and the social contacts of married couples and their parents, family structure and the identification process, interpersonal competence and marriage adjustment, empathy and marital adjustment, personality factors in successful marriage, occupational satisfaction and success in marriage, religion and marriage.

University of Chicago
NATIONAL OPINION RESEARCH CENTER
5736 Woodlawn Avenue
Chicago 37, Illinois — Founded 1941
Clyde W. Hart, Director — Staff: Professional 14, Other 10

Conducts research on substantive problems and on problems of social science techniques and methodology. Recent studies have concerned popular attitudes toward mental health, factors affecting use of health facilities, family medical costs, an empirical study of three Chicago slum areas, metropolitan problems incident to progressive urbanization, and economic factors affecting graduate student career choices. Maintains an eastern office at 100 Fifth Avenue, New York 11, New York, under the direction of Paul B. Sheatsley.

University of Chicago
POPULATION RESEARCH AND TRAINING CENTER AND CHICAGO COMMUNITY INVENTORY
975 East 60th Street
Chicago 37, Illinois
Dr. Philip M. Hauser, Director — Staff: Professional 3, Other 2

One aspect of the research program is concerned with problems relating to broad regions of the United States and to the nation, while the other is focused upon local demographic and ecological problems. Intensive study has included community structure. The scope of the research is flexible. Research training of graduate students is an integral objective. Research results are issued in the form of intermittant publications.

University of Chicago
RESEARCH CENTER IN ECONOMIC DEVELOPMENT & CULTURAL CHANGE
1126 East 59th Street
Chicago 37, Illinois — Founded 1952
Dr. Bert F. Hoselitz, Director — Staff: Professional 2, Other 1

Study areas of underdeveloped areas have included crop production trends in India, Chilean inflation, study of acculturation, and Japanese capital formation. Research reports appear in intermittently published monographs. Sponsors such meetings as the Conference on Economic Anthropology, Conference on Middle Eastern Nationalism, Conference on the Study of Asian Economic History, and the Joint Conference with Unesco on Social Implications of Industrialization and Technological Change. Publication: Journal of Economic Development and Cultural Change, quarterly.

Claremont Graduate School
CLAREMONT SOCIAL RESEARCH CENTER
Harper Hall
Claremont, California
Luther J. Lee, Jr., Dean — Founded 1957

The Center is an agency of the faculties of the Associated Colleges (including Claremont Graduate School, Claremont Men's College, Harvey Mudd College, Pomona College and Scripps College) in the social sciences for the development and promotion of individual and group research projects. The Center itself does not conduct research. The Executive Committee assists in formulating proposals for submission to foundations and other sources of support.

University of Colorado
BEHAVIOR RESEARCH LABORATORY
Room 405, Norlin Library
Boulder, Colorado — Founded 1958
Dr. Kenneth R. Hammond, Director — Staff: Professional 1, Other 1

Conducts basic research concerning human behavior, particularly problems involving complex processes, including personality and social psychology.

University of Colorado
CHILD RESEARCH COUNCIL
4200 East 9th Avenue
Denver 20, Colorado — Founded 1927
Alfred H. Washburn, M.D., Director — Staff: Professional 22, Other 8

Conducts study of the entire life cycle of individual persons, physical, physiological and psychological development and adaptations being followed in each subject, starting prenatally.

Columbia University
BUREAU OF APPLIED SOCIAL RESEARCH
605 West 115th Street
New York 25, New York — Founded 1937
Dr. Bernard Berelson, Director — Staff: Professional 44, Other 20

Carries on a program of basic and applied research under grants from found-

dations, government agencies and industrial firms. Facilitates development of new methods and reports results of investigations in published form. Principal research areas include communications and opinion formation, political sociology, consumer behavior, manpower and population, sociology of the professions and religion, organizational sociology and special projects. Publication: The Reporter, monthly.

Columbia University
LANGUAGE AND COMMUNICATION RESEARCH CENTER
701 Philosophy Hall
New York 27, New York
Prof. John Lotz, Director — Founded 1951

Conducts research on the study of language and communication in its broadest sense, the various aspects of natural languages (speech, script, sign language, in their physical, physiological, psychological, and social implications), animal communication, and scientific language. Sponsors university seminar.

Cornell University
SOCIAL SCIENCE RESEARCH CENTER
321 Goldwin Smith Hall
Ithaca, New York
Dr. William Foote Whyte, Director — Founded 1949

Functions to stimulate research activities on the campus and to aid faculty members in planning, financing, and executing their projects in all of the social and behavioral fields. Sponsors numerous continuing and special sessions in interdisciplinary areas including workshops on research methods, special seminars and committee meetings on broad topical lines.

University of Denver
BUREAU OF RESEARCH IN HUMANITIES AND SOCIAL DEVELOPMENTS
Denver, Colorado

Coordinates and promotes research in theoretical and basic aspects of anthropology, arts, communications, literature, psychology, social development and the social sciences.

University of Detroit
CENTER FOR HUMAN RELATIONS
Detroit 21, Michigan
Dr. Tibor Paysz, Director

Emory University
YERKES LABORATORIES OF PRIMATE BIOLOGY
Kingsley Avenue
Orange Park, Florida — Founded 1930
Dr. Arthur J. Riopelle, Director — Staff: Professional 6, Other 24

Research centers on the behavior of chimpanzees. Studies include the behavioral effects of radiation, effects of early rearing conditions on development and behavior, functions of the association cortex in learning by cats and monkeys, and research in sex behavior. Said to be the only research laboratory where chimpanzees are bred and used on a large scale for scientific purposes. In addition to its own psychobiological research, the laboratories furnish anatomical specimens to scientists around the world.

Fisk University
RACE RELATIONS INSTITUTE
Nashville 8, Tennessee — Founded 1943
Dr. Herman H. Long, Director — Staff: Professional 3, Other 3

Conducts community surveys on race relations, and on public practice affecting public racial policy; studies labor and business practices affecting minority group utilization. Sponsors Annual Race Relations Institute.

Florida State University
INSTITUTE OF HUMAN DEVELOPMENT
Tallahassee, Florida — Founded 1959
Dr. Ralph L. Witherspoon, Director — Staff: Professional 6, Other 2

New program being developed. During the past ten years the Child Development Institute (the present Institute's predecessor) carried on two longitudinal studies--one dealing with the development of intelligence in relation to growth and the other with the development of personality as measured by the CAT and continuous observations and recordings. Summer institutes every other summer--in 1958 "Mental Health and the Gifted Child" and "Working in Children's Centers."

Florida State University
INSTITUTE FOR SOCIAL RESEARCH
Tallahassee, Florida — Founded 1952
Dr. Charles M. Grigg, Director — Staff: Professional 1, Other 1

Encourages and stimulates research in the social sciences with special emphasis on the survey approach. Continuing studies in the field of population with particular regard to state and local projections. The program is concerned also with teaching and training of graduate students in social sciences and methodology. Publication: Research Reports in Social Science, semiannual.

University of Florida
RESEARCH CENTER
School of Journalism and Communications
Gainesville, Florida
Dr. L. John Martin, Director — Founded 1958

Research program includes readership surveys, radio and TV audience analyses, content analyses of Florida press, compilations of press laws, study of international press and propaganda problems.

Harvard University
LABORATORY OF HUMAN DEVELOPMENT
Palfrey House
Cambridge 38, Massachusetts — Founded 1949
Dr. John W.M. Whiting, Director — Staff: Professional 12, Other 4

Research is determined by staff interests. One aspect of recent efforts centered upon psychological and sociological studies of children, centering on parent-child and teacher-child relations, with an emphasis on the influence of different methods of child-rearing on personality and motivation. These studies used doll play and other projective methods, direct observation in nursery schools, experimental social situations, and standardized interviews with parents and teachers. Problems investigated included identification, projection, the development of dependency and aggression, competition, and the relation of fantasy behavior to socially oriented behavior. The other phase of the research program is anthropological in character involving comparative study of child-rearing and socialization in primitive cultures. Field studies in other parts of the world are undertaken by members of the staff. The comparison of children's personalities and of child-rearing methods among non-primitive subgroups of American culture is also a continuous part of this research.

Harvard University
LABORATORY OF SOCIAL RELATIONS
Henderson Hall
Cambridge, Massachusetts
Dr. Samuel A. Stouffer, Director — Founded 1946

Established in order to conduct research in sociology, social anthropology, social psychology and clinical psychology. Functions to contribute to knowledge through empirical research on long-range problems.

Harvard University
RESEARCH PROJECT INTO THE CAUSES, TREATMENT, & PREVENTION OF DELINQUENCY
Law School - 3 Garden Street
Cambridge 38, Massachusetts — Founded 1930
Drs. Sheldon & Eleanor Glueck, Co-Dir. — Staff: Professional 3

Conducts a continuing series of research analyses into the causes, treatment and correction of juvenile delinquency problems. Efforts have traced the life patterns of a large scale sampling of juveniles beginning in the pre-teen years and continuing into maturity for the purpose of identifying causative factors. Research results are reported in scholarly monographs and popular books.

Illinois Institute of Technology
INSTITUTE FOR PSYCHOLOGICAL SERVICES
3329 South Federal Street
Chicago 16, Illinois — Founded 1954
Prof. George S. Speer, Director — Staff: Professional 14, Other 16

Conducts studies of various phases of personnel selection, prediction, and in educational methods of teaching and diagnosis.

University of Illinois
INSTITUTE OF COMMUNICATIONS RESEARCH
120 Gregory Hall
Urbana, Illinois — Founded 1947
Dr. Charles E. Osgood, Director — Staff: Professional 3, Other 1

Conducts basic research on interpersonal communication (psycholinguistics, experimental semantics, persuasive communication techniques) and mass communication (media effects; social, political, and economic aspects of communications; controls).

University of Illinois
LABORATORY OF PERSONALITY ASSESSMENT AND GROUP BEHAVIOR
106 South Goodwin Street
Urbana, Illinois — Founded 1945
Dr. Raymond B. Cattell, Research Prof. — Staff: Professional 5, Other 3

Main interest concerns basic research on personality structure and measurement. Studies also consider clinical and educational applications, notably measurement of anxiety and neurosis, and the prediction of student performance. Occasional efforts focus on small group studies and the interaction patterns of culture and personality.

Indiana University
RESEARCH CENTER IN ANTHROPOLOGY, FOLKLORE, AND LINGUISTICS
Rayl House - 1825 East Third Street
Bloomington, Indiana — Founded 1955
Dr. Thomas A. Sebeck, Chairman — Staff: Professional 1, Other 3

Coordinates the Archives of Folk and Primitive Music, the Archives of the Languages of the World, the Archives of Folklore, and the Human Relations Area Files; carries out an extensive publication program related to these fields and develops sponsored research activities in the areas of the Center's interests. Sponsors occasional special meetings. Publication: Monograph Series, irregular.

State University of Iowa
IOWA CHILD WELFARE RESEARCH STATION
Iowa City, Iowa — Founded 1917
Dr. Boyd R. McCandless, Director — Staff: Professional 22, Other 6

Conducts research on the best scientific methods of conserving and developing normal children, disseminates the information so gathered, and trains students at the graduate level to carry out further research. Sponsors two annual workshops for professionals in the field, or for lay leaders in the field.

Loyola University
LOYOLA CENTER FOR CHILD GUIDANCE
Chicago, Illinois
Rev. Charles Doyle, S.J.

University of Kansas
BUREAU OF CHILD RESEARCH
Bailey Hall
Lawrence, Kansas — Founded 1954
R.L. Schiefelbusch, Director — Staff: Professional 5, Other 3

Seeks to encourage wider participation in child research and to initiate specific studies. Collects and disseminates data on matters involving children and youth in the state. The program is interdisciplinary and focuses on the child from the standpoint of health, sociology, psychology and all the other social and science disciplines.

University of Kentucky
SOCIAL RESEARCH SERVICE
Department of Sociology
Lexington, Kentucky — Founded 1948
Dr. A. Lee Coleman, Director — Staff: Professional 1, Other 1

Promotes and conducts scientific research of a social nature, including contract research for outside agencies.

Laval University
CENTER FOR RESEARCH IN THE SOCIOLOGY OF RELIGION
Quebec 10, Canada — Founded 1958
Father Roland Doyon, Director — Staff: Professional 5, Other 2

Conducts a program of research which focuses upon the relationship between sociology and religion, with particular emphasis upon the French Canadian milieu. Staff members serve as research consultants on sociological problems. Collaborates in the publication of Recherches Sociographique (Sociological Review) a new journal of the university's social science faculty.

Laval University
CENTER OF SOCIAL RESEARCH
#2 University Street
Quebec 4, Canada — Founded 1943
Jean-Marie Martin, Director — Staff: Professional 4, Other 3

A central coordinating and facilitating agency for interdisciplinary studies in the social sciences. Recent studies under the center's sponsorship included: housing conditions in the city of Quebec; the French-Canadian family-economic status and desires; the economic conditions in the lower St. Lawrence region; and the Quebec city trade area. Sponsors research related seminar program. Publication: Recherches Sociographiques, quarterly.

Laval University
FOLKLORE ARCHIVES
#6 University Street
Quebec 4, Quebec, Canada — Founded 1944
Luc Lacourciere, Director — Staff: Professional 4, Other 2

Conducts a program of research inquiries centered upon living folklore tradition and its background. Maintains more than 10,000 tales, legends, songs and musical scores in its collection. Compiles bibliographies and indexes of Canadian folklore. Publication: Les Archives de Folklore, irregular.

Louisiana State University
INSTITUTE OF POPULATION RESEARCH
Baton Rouge 3, Louisiana
Dr. Roland J. Pellegrin, Chairman — Founded 1946

Conducts, sponsors and finances research by faculty members in various fields of sociology, including demography.

Loyola University
LOYOLA CENTER FOR CHILD GUIDANCE AND PSYCHOLOGICAL SERVICE
820 North Michigan Avenue
Chicago 11, Illinois — Founded 1941
Rev. Dr. Charles I. Doyle, S.J. — Staff: Prof. 7, Other 3

Primary functions are service to clients and training of clinical psychologists. Research projects include test construction and validation, various clinical studies from client files.

Marquette University
INSTITUTE OF THE CATHOLIC PRESS
552 N. 13th Street
Milwaukee 15, Wisconsin
David Host, Director — Founded 1949

Conducts research into the theory, practice and history of the Catholic press, especially in the United States. Publishes research reports based upon study findings. Sponsors conferences on theoretical and practical problems of Catholic journalism for publishers, editors and staff members of Catholic periodicals, usually 2 times a year. Publications: Research Reports, irregular, Conference Reports, irregular.

University of Maryland
INSTITUTE FOR CHILD STUDY
College of Education
College Park, Maryland — Founded 1947
Dr. Daniel A. Prescott, Director — Staff: Professional 14, Other 3

Conducts a program of research on the social and psychological problems of children. Recent studies centered on school misfits and under achievers. Sponsors workshops for school administrators, secondary school personnel, child study leaders, religious education leaders.

Miami University
SCRIPPS FOUNDATION FOR RESEARCH IN POPULATION PROBLEMS
Oxford, Ohio — Founded 1922
Dr. Pascal K. Whelpton, Director — Staff: Professional 3, Other 2

This "pioneer research organization for the study of population problems" has concentrated on the fields of sociology and economics. Recent efforts have centered upon fertility analysis. Active studies included study of the relationship between fluctuations in fertility and in economic conditions; revision of cohort fertility tables, which trace the child-bearing history of groups of women as they pass through the reproductive period of life; the second phase of a study of family planning in the United States which deals with the incidence of impairments to the reproductive system, the extent of the use of contraception, and the number of children that couples want and expect to have.

Michigan State University
SOCIAL RESEARCH SERVICE
East Lansing, Michigan
Dr. Jay Artis, Director — Founded 1946

Conducts and sponsors intra-university non-contract research and contract research for non-university agencies. Recent research areas have dealt with midwestern American cultural institutions, migrant group study, rural health in Michigan, and attitudes toward minority groups. Closely associated with the Social Research Service, is the Area Research Center which accepts grants for similar type of studies in foreign countries. While major emphasis has been given to research in Latin American countries, work has also been conducted in other parts of the world.

Michigan State University
COMMUNICATIONS RESEARCH CENTER
319 Union Building
East Lansing, Michigan — Founded 1956
Dr. Paul J. Deutschmann, Director — Staff: Professional 6, Other 1

Conducts research on the basic communication process: decision making, interpersonal and small group communication, diffusion of information, attitude change, visual-non-verbal symbology, aesthetic components of communication, institutional economic aspects of the mass media, intents and effects, etc. Recent efforts have dealt with educational television, audience reaction studies, newspaper content analysis, and automotive advertising images. Research findings are published as studies and monographs.

University of Michigan
CENTER FOR SOCIAL ORGANIZATION RESEARCH
Sociology Department
Ann Arbor, Michigan
Dr. Morris Janowitz, Head — Founded 1959

Engages in various research projects related to organizational problems. Issues occasional papers and monographs. Concerned with training as well as research.

University of Michigan
INSTITUTE FOR HUMAN ADJUSTMENT
1510 Rackham Building
Ann Arbor, Michigan — Founded 1937
Dr. Ralph A. Sawyer, Dean — Staff: Professional 13, Other 10

Studies selected problems to discover means of applying the findings of science to problems of human behavior, to train professional workers, to disseminate new information and techniques among professional workers, and to perform distinct social services. Bureau of Psychological Services offers supervised clinical experience with and without academic credit in psychological diagnosis and counseling of children and adults, educational testing, and test construction. Division of Gerontology engages in research in the psychosocial aspects of aging; offers educational programs for older adults in conjunction with communities, business and industry; assists in the training of professional and volunteer workers through institutes, workshops, conferences, and publications; and serves as a consultation and information center about the problems of aging. Fresh Air Camp provides courses in sociology, education, and social work, experience in organizing group programs with children, and opportunity for systematic, supervised observation of child behavior. Social Science Research Project is a facility for giving students of the social sciences actual field experience in research. The laboratory is the metropolitan community of Flint. Speech Clinic engages in the diagnosis and treatment of all types of speech and hearing disorders. It offers academic training, clinical experience, and research activity in cooperation with the Department of Speech and the University Hospital. Conducts annual Conference on Aging and miscellaneous training institutes and workshops.

University of Michigan
INSTITUTE FOR SOCIAL RESEARCH
1131 East Catherine Street
Ann Arbor, Michigan — Founded 1946
Dr. Rensis Likert, Director — Staff: Professional 30, Other 25

Engages in basic and applied research in the social sciences. The Institute has two main research units. The Survey Research Center is concerned with application of sample survey methods to the study of economic behavior, human relations in organizations, and public attitudes and behavior in relation to public issues. The Research Center for Group Dynamics studies the behavior of people in groups. The research is conducted in industry, education, government and community life as well as in the laboratory, in an effort to discover the determinants of behavior, of group effectiveness and of human satisfactions. Conducts annual eight-week Summer Institute in Survey Research Techniques, attended by advanced students and professionals. Publications: SRC Monograph Series, irregular, RCGD Monograph Series, irregular.

University of Michigan
MENTAL HEALTH RESEARCH INSTITUTE
Ann Arbor, Michigan — Founded 1955
Dr. James G. Miller, Director — Staff: Professional 36, Other 34

Research is oriented toward a general approach to the study of behaving systems and is conducted on normal and abnormal behavior at the levels of the cell, organ, individual, group and society in an effort to understand not only what makes a particular living system behave as it does but also to find general principles that apply to different levels of behavior. Sponsors seminars, workshops and other research related programs. Publication: Behavioral Science, quarterly.

University of Michigan
RESEARCH CENTER FOR GROUP DYNAMICS
Ann Arbor, Michigan — Founded 1946
Dr. Alvin F. Zander, Director — Staff: Professional 13, Other 4

Conducts basic research concerning the nature of groups, the laws of their development, and their interrelations with individuals, other groups, and larger institutions. All research is financed by grants, gifts or contracts with external agency sponsorship. A division of the Institute for Social Research.

University of Michigan
SURVEY RESEARCH CENTER
Ann Arbor, Michigan — Founded 1946
Dr. Angus Campbell, Director — Staff: Professional 41, Other 41

Applies sample survey methods to a variety of psychological, sociological, economic, and social problems. Numerous survey studies have been conducted to investigate individual behavior in the family, in the work situation, as a community member, as a group member; to investigate organizational behavior and the consequences of induced change; and to improve measurements and techniques for such research. Facilities are available to business, foundations, governmental agencies and other groups concerned with problems of public interest whose study gives promise of contributing to important scientific goals. The Center is a division of the Institute for Social Research.

University of Minnesota
LABORATORY FOR RESEARCH IN SOCIAL RELATIONS
494 Ford Hall
Minneapolis 14, Minnesota — Founded 1947
Dr. Harold H. Kelley, Exec. Sec. — Staff: Professional 4, Other 1

Conducts interdisciplinary research on group and social phenomena. Research staff is drawn from departments of sociology, psychology, political science, philosophy, education, and economics. Problems studied are in the general area of social psychology including political attitudes and their development, functioning of small groups, factors in social motivation, interpersonal communication and influence, etc. Sponsors research seminars and colloquia attended by local research staff and visiting social scientists. Publication: Reprint Series, irregular.

University of Minnesota
SOCIAL SCIENCE RESEARCH CENTER
408 Johnston Hall
Minneapolis 14, Minnesota
Dr. Roy G. Francis, Exec. Director — Founded 1947

Offers advisory service in planning research and in making application for research support; keeps records of ongoing research in the behavioral sciences; keeps files of research instruments and reprints of research done at the University of Minnesota; sponsors an annual public discussions series; publishes a series of booklets growing out of the public discussions series.

University of Minnesota
RESEARCH DIVISION
School of Journalism
Minneapolis 14, Minnesota — Founded 1944
Prof. Roy E. Carter, Jr., Director — Staff: Professional 2, Other 2

Conducts a wide range of field survey, experimental, and content analysis studies having to do with the process and effects of mass communication.

University of Minnesota
INSTITUTE OF CHILD DEVELOPMENT AND WELFARE
103 Child Welfare Building
Minneapolis 14, Minnesota — Founded 1925
Dr. Harold W. Stevenson, Director — Staff: Professional 12

Conducts research on all aspects of child development - physical, mental, motor, emotional and social factors, causes of problem behavior, methods of training and instruction, and the techniques of parent education. Offers a nursery school and kindergarten program and provides consultation services to parents. Publication: Monograph Series, irregular.

Mississippi State University
SOCIAL SCIENCE RESEARCH CENTER
P.O. Box 148
State College, Mississippi
Dr. John K. Bettersworth, Director — Founded 1950

Coordinates and stimulates research activity among all of the campus social science departments. Sponsors studies in the fields of government, history and sociology, and facilitates extension and service efforts with community and regional organizations. Publications: Social Science Research Center Series, irregular, The Mississippi Quarterly.

University of Montreal
INSTITUTE OF PSYCHOLOGY
P.B. 6128
Montreal, Canada — Founded 1942
Rev. Adrien Pinard, Head — Staff: Professional 13, Other 3

Research is carried on in different fields: experimental psychology, clinical psychology, social psychology and psychometrics.

University of Montreal
ORIENTATION CENTER
39 Gouin Boulevard West
Montreal 12, Quebec, Canada — Founded 1944
Jeannine Guindon, Director — Staff: Professional 16, Other 7

Conducts a program of study centered upon new methods of re-education for over-gifted problem children, and of new methods of training personnel for maladjusted children or adolescents. Research efforts concentrate on phenomena regarding socialization.

City College of New York
JUVENILE DELINQUENCY EVALUATION PROJECT OF THE CITY OF NEW YORK
139th Street and Convent Avenue
New York 31, New York — Founded 1956
Dr. Robert M. MacIver, Director — Staff: Professional 10, Other 7

An official agency of the City of New York established to make a full scale, fact-finding survey of how the community's public and private agencies are fighting juvenile delinquency. Its purpose is to review the whole problem as it applies to New York City, to make a realistic study of the roles of the agencies and the relations between them, to analyze and evaluate the programs and methods of agencies and to recommend advancement of those that show the greatest promise. Publishes reports based upon research findings.

City College of New York
SOCIAL RESEARCH LABORATORY
139th Street and Convent Avenue
New York 31, New York — Founded 1940
Dr. Robert Bierstedt — Staff: Professional 21, Other 1

Sponsors and conducts a wide range of research projects in the fields of urban and community structure, family relations, industrial sociology, delinquency, cultural aspects of behavior, culture of ethnic groups, crimonology, social service, and neighborhood studies. Projects are jointly sponsored with community professional, governmental and social facilities. Publication: SRL Manual and Directory, semi-annual.

New York University
CENTER FOR APPLIED SOCIAL RESEARCH
Washington Square
New York 3, New York
Dr. Alfred de Grazia, Director — Founded 1959

Recently organized to engage in research of an interdisciplinary and interdepartmental character, especially in cooperation with governmental units, non-profit organizations, and business firms and associations. Also lends assistance in the development of research within the university.

New York University
CENTER FOR REHABILITATION SERVICES
Washington Square
New York 3, New York
Dr. Lester H. Evans, Director

New York University
RESEARCH CENTER FOR HUMAN RELATIONS
21 Washington Place
New York 3, New York — Founded 1949
Dr. Stuart W. Cook, Director — Staff: Professional 8, Other 2

Conducts research in social psychology, with special emphasis on: attitudes and attitude measurement, social-psychological influences on mental health (including problems of delinquency and drug addiction), and small group functioning.

University of North Carolina
INSTITUTE FOR CHILD AND FAMILY DEVELOPMENT
Woman's College
Greensboro, North Carolina — Founded 1959
Dr. Irwin V. Sperry, Director — Staff: Professional 3

Conducts research program related to faculty interests. Recent efforts have included the following studies: the Acceptance of Certain Youth Programs and Services by Rural Families in North Carolina, Educational and Vocational Goals of Rural Youth in North Carolina, Longitudinal Studies of Twenty Children from Birth to Sixteen Years of Age. Sponsors statewide workshops and symposia. Publication: Research Reports, irregular.

University of North Carolina
INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE
Box 630
Chapel Hill, North Carolina — Founded 1924
Dr. Daniel O. Price, Director — Staff: Professional 16, Other 15

Regionalism and the attempt to achieve understanding of the state and the south have long dominated research efforts. During the past decade, a widening variety of behavioral science research has been added and recent research may be grouped under communication, community, complex social organization, demography, economic behavior, folk cultures, human relations in industry, land use patterns, marriage and the family, mental health, personality, political behavior, public opinion, race relations, small group behavior, social aspects of health and medical care, southern regional and North Carolina studies, survey research, and urban studies. The Institute maintains a small group laboratory with facilities for observation and a social science statistical laboratory. Publication: Research Previews, irregular.

University of North Carolina
PSYCHOMETRIC LABORATORY
Box 547
Chapel Hill, North Carolina — Founded 1952
Dr. Lyle V. Jones, Director — Staff: Professional 5, Other 1

Activities center upon research in quantitative psychology. Recent areas of research have included quantitative analysis of speech, psychometric scaling, multivariate statistics, decision-making, and test construction. Publication: Psychometric Laboratory Reports, irregular.

University of North Carolina
RESEARCH LABORATORIES OF ANTHROPOLOGY
Box 561
Chapel Hill, North Carolina — Founded 1938
Dr. Joffre L. Coe, Director — Staff: Professional 1, Other 1

Conducts basic research in anthropology with special emphasis on the archaeology of the southeastern United States. Publications: Southern Indian Studies, irregular, Occasional Contributions, irregular.

Northern Illinois University
INSTITUTE OF SOCIAL RESEARCH
DeKalb, Illinois
Dr. Waldo Burchard, Chairman — Founded 1958

Seeks to stimulate research and serves as an administrative and consulting center for social research efforts. Solicits, manages, and allocates funds from various sources for interdisciplinary research in the several social sciences.

Northwestern University
BUREAU OF SOCIAL AND RELIGIOUS RESEARCH
Garrett Biblical Institute
Evanston, Illinois — Founded 1941
Dr. Murray H. Leiffer, Director — Staff: Professional 1

Research relates to three facets of organized religion. 1) Ecological: study of church-community interrelations, population movements as affecting church attendance, church location and program. 2) Opinion research: attitudes of church members to social issues. 3) Institutional research: role of various agencies within a denominational structure or role of leaders on various levels within the denomination.

Ohio State University
INSTITUTE OF CHILD DEVELOPMENT AND FAMILY LIFE
29 West Woodruff Avenue
Columbus, Ohio
Dr. Mary Jane Loomis, Director — Founded 1954

Stimulates the formulation and implementation of projects in child and family development research and investigates and makes recommendations for the integration of instructional programs by facilitating cooperation through programs of study, seminars and formal courses. Membership in the Institute is about 100 campus people from 21 different departments. Sponsors a quarterly conference open to the public. Publication: Newsletter, quarterly.

University of Oklahoma
INSTITUTE OF GROUP RELATIONS
Norman, Oklahoma

Conducts a research and investigation program centered upon group relations in various aspects of modern society.

University of Oregon
CENTER FOR SOCIAL SERVICE TRAINING AND RESEARCH
Eugene, Oregon
Dr. Phil H. Schoggen, Co-Director — Founded 1959
Dr. Roy E. Buehler, Co-Director — Staff: Professional 3

Administers the programs of graduate instruction and research, conducted by the university, in the fields of juvenile correction, rehabilitation counseling, and related areas.

University of Oregon
INSTITUTE FOR COMMUNITY STUDIES
Eugene, Oregon
Dr. Donald E. Tope, Acting Director — Founded 1959

Conducts and encourages basic research designed to explore the structure of American communities as social and political systems and to relate selected forms of behavior to such systems. Emphasis is on the policy-formulation processes in such fields as education, voluntary associations, local government, health and business associations. Sponsors seminars related to research activities.

University of Ottawa
CANADIAN RESEARCH CENTER FOR ANTHROPOLOGY
Oblate Avenue
Ottawa, Ontario, Canada — Founded 1955
Joseph Champagne — Staff: Professional 2

Conducts studies and issues publications in the general field of Canadian anthropology. Publication: Anthropologica, semiannual.

George Peabody College for Teachers
CHILD STUDY CENTER
Nashville 5, Tennessee
W.C. Rhodes, Director

Pennsylvania State University
SOCIAL SCIENCE RESEARCH CENTER
119 Sparks Building
University Park, Pennsylvania — Founded 1951
Dr. Frederick R. Matson, Admin. Dir. — Staff: Professional 1, Other 1

Stimulates and facilitates research in the social sciences by coordinating the interdisciplinary research interests of the faculty, by assisting in obtaining financial support for research and by facilitating the publication and dissemination of study results. Sponsors two conference sessions related to interdisciplinary research each year.

University of Pennsylvania
WILLIAM T. CARTER FOUNDATION FOR CHILD DEVELOPMENT
3440 Walnut Street
Philadelphia, Pennsylvania — Founded 1924
Prof. James H.S. Bossard, Director — Staff: Professional 1

Studies the principles and development of child welfare and the mental and moral development of the young. Research efforts are summarized in book and article form.

Princeton University
BUREAU OF URBAN RESEARCH
Firestone Library
Princeton, New Jersey — Founded 1941
Dr. Gerald Breese, Director — Staff: Professional 2, Other 1

Provides a mechanism for the coordination and integration of information and research in fields pertaining to urban planning. Contributes, through creative research, to the development of a greater knowledge of the relationships among the different activities which together form the city, and to a further understanding of urban structure.

Princeton University
OFFICE OF POPULATION RESEARCH
5 Ivy Lane
Princeton, New Jersey — Founded 1936
Prof. Ansley J. Coale, Director — Staff: Professional 7, Other 8

Engages in all aspects of demographic research but, in general, the emphasis has been on international studies of the interrelations of social, economic and population change. Most recently, the largest single project dealt with the social and psychological factors affecting future fertility of two-child families in the white population of metropolitan United States. Sponsored jointly by the Milbank Memorial Fund and the Population Council. Issues Population Index, quarterly, the official organ of the Population Association of America, and of the International Union for the Scientific Study of Population.

University of Puerto Rico
SOCIAL SCIENCE RESEARCH CENTER
Rio Piedras, Puerto Rico — Founded 1945
Dr. Millard Hansen, Director — Staff: Professional 19, Other 6

Conducts fundamental inquiries into the problems of Puerto Rican society and trains social science research workers. Recent efforts have centered on the family, population control and fertility, social stratification, industrialization, cultural change, social psychiatry, civil liberties and statistical compilation development.

Purdue University
PURDUE OPINION PANEL
West Lafayette, Indiana — Founded 1947
Prof. H.H. Remmers, Director — Staff: Professional 1

A nationwide representative sample of high schools in which the panel participates in three or four polls each year. Recent topics have included: prediction of national elections, attitude toward pet characteristics, television viewing habits, segretation attitudes and courtship activities. Publication: Reports, irregular.

Rutgers-The State University
INSTITUTE OF ANIMAL BEHAVIOR
31 Fulton Street
Newark 2, New Jersey — Founded 1959
Dr. Daniel S. Lehrman, Director — Staff: Professional 3, Other 2

Conducts research in the following aspects of animal behavior: development of behavior, evolution of behavior, relation of hormones and behavior. Work is on maternal behavior of mammals and the reproductive cycle of doves.

Rutgers-The State University
SOCIOLOGY RESEARCH GROUP
New Brunswick, New Jersey — Founded 1946
Dr. John W. Riley, Jr., Chairman — Staff: Professional 4, Other 1

Conducts general research in sociology with special emphasis on problems of communication. Sponsors regularly scheduled proseminars on problems of sociological research.

San Diego State College
CENTER FOR SURVEY RESEARCH
San Diego 15, California — Founded 1948
Dr. Oscar J. Kaplan, Director — Staff: Professional 1

Undertakes sample surveys of a public service type and carries out studies centered upon survey techniques and methodology.

State University of South Dakota
SOCIAL RESEARCH CENTER
Vermillion, South Dakota
Dr. C.M. Mickey, Director — Founded 1958

Recently established in order to promote and facilitate interdisciplinary research in the social sciences. Recent effort centered upon the factors involved in decision-making on civil issues in a middle-sized city supported by a grant from the National Institute of Health.

Stanford University
LABORATORY OF HUMAN DEVELOPMENT
Stanford, California
Dr. Robert R. Sears, Director — Founded 1956

Conducts research on human motivation in such areas as parent-child relationships, school motivation, psychodynamics of the young adult, psychogenic factors in mental illness, and hypnosis. Founded by a grant from Mental Health Research Program, Ford Foundation; other grants from National Institute of Mental Health, etc.

Stanford University
INSTITUTE FOR COMMUNICATION RESEARCH
Stanford, California — Founded 1955
Dr. Wilbur Schramm, Director — Staff: Professional 5, Other 1

Conducts basic research on the communication process, and on the audiences, functioning, performance, and effects of the mass media. Examples of recent large projects: effect of television on children, public attitudes toward newspapers, nature of national communication systems, the context of instructional television, how community opinions about schools are formed, the flow of news between the U.S. and the Soviet Union and how to communicate behavioral science. Sponsors occasional meetings, such as a recent seminar on teaching machines and instructional television.

Stevens Institute of Technology
LABORATORY OF PSYCHOLOGICAL STUDIES
805 Castle Point Terrace
Hoboken, New Jersey — Founded 1945
Dr. Frederick J. Gaudet, Director — Staff: Professional 7, Other 3

Provides educational and vocational guidance for adolescents, veterans and adults, and conducts research related to this field. Carries on evaluations of management personnel and offers a consulting service in management development programs and testing programs for hourly employees to industry. Conducts surveys and research related to work morale and job satisfactions.

Temple University
GROUP DYNAMICS CENTER
Broad and Montgomery Streets
Philadelphia 22, Pennsylvania — Founded 1950
Dr. David H. Jenkins, Director — Staff: Professional 3, Other 1

The center is now in the process of developing research efforts on small groups and is shifting over from what had formerly been a primary emphasis upon graduate instruction.

Temple University
PSYCHOLOGICAL CLINIC
Philadelphia, Pennsylvania — Founded 1947
Dr. James D. Page, Director — Staff: Professional 2, Other 4

Conducts diagnostic and counseling work with children, adolescents, college students, and adults.

Temple University
PSYCHOLOGICAL EXPERIMENTAL LABORATORY
Philadelphia 22, Pennsylvania
Dr. Hughbert C. Hamilton, Director

University of Tennessee
BUREAU FOR SOCIOLOGICAL RESEARCH
Knoxville, Tennessee
Dr. John B. Knox, Director — Founded 1949

Provides facilities for the collection and analysis of data in the social and behavioral disciplines.

Texas Christian University
LEO POTISHMAN FOUNDATION
P.O. Box 223
Fort Worth 29, Texas
Austin L. Porterfield, Director — Founded 1946

Sponsors research and publications program in the social sciences. Publication: Journal of Health and Human Behavior, quarterly.

University of Texas
RESEARCH IN ANTHROPOLOGY
Austin 12, Texas — Founded 1938
Dr. T.N. Campbell, Director — Staff: Professional 6, Other 1

Research studies are primarily devoted to archeological investigations, salvage excavations in federally-sponsored reservoir areas and laboratory processing of artifacts and human skeletal remains. Publications based on these analyses are issued from time to time.

Tufts University
INSTITUTE FOR APPLIED EXPERIMENTAL PSYCHOLOGY
North Hall
Medford 55, Massachusetts — Founded 1947
Dr. Ezra V. Saul, Director — Staff: Professional 17, Other 3

Conducts basic and applied research. Typical projects have been in the areas of human engineering, vision, perception, audition, motor performance, bioelectric functions, and small group processes. Support has come from foundations, industry, the armed services, and other government agencies.

Tulane University
URBAN LIFE RESEARCH INSTITUTE
New Orleans 18, Louisiana

Concerned primarily with research on basic problems of social living. Fields studied include the full range of behavioral sciences.

Union College
CHARACTER RESEARCH PROJECT
Schenectady 8, New York — Founded 1935
Dr. Ernest M. Ligon — Staff: Professional 8, Other 8

Conducts research in effective methods for religious and character education, including individual differences, learning, the influence of the home and youth work. Carries on consulting services in research and curriculum evaluation for religious and character building organizations. Sponsors annual ten-day summer workshop. Publications: Union College Studies in Character Research, irregular, Adventures in Character Education, biweekly.

Union College
SOCIAL RESEARCH CENTER
Schenectady 8, New York
Dr. Sherwood D. Fox, Director — Founded 1959

Recently established in order to encourage and facilitate research in sociology, economics, government, history, philosophy and religion, as well as in interdisciplinary areas. A number of research programs are under consideration but none have been formulated.

Vanderbilt University
INSTITUTE OF RESEARCH IN THE SOCIAL SCIENCES
Box 1520
Nashville 5, Tennessee
Dr. George W. Stocking, Director Founded 1940

Facilitates, promotes and sponsors research efforts of the university's social science faculty. Administers grants for interdisciplinary research and issues publications resulting from research projects.

Vassar College
MARY CONOVER MELLON FOUNDATION
Poughkeepsie, New York Founded 1949
Dr. Mervin B. Freedman, Coordinator Staff: Professional 6, Other 3

Conducts study of personality development during the college years. Procedures consist of testing and interviewing of students and alumnae. The aim is to determine the ways in which students change during the course of a liberal education and to identify the influences which have brought about these changes. Research results appear as monographs and journal articles.

University of Virginia
BUREAU OF POPULATION AND ECONOMIC RESEARCH
Monroe Hall
Charlottesville, Virginia Founded 1944
Dr. Lorin A. Thompson, Director Staff: Professional 5, Other 3

Conducts population estimates of cities and counties in Virginia for intercensal years, estimates of personal income payments for cities and counties of Virginia, published every other year, makes periodic reports of economic change in Virginia, the southeast and the nation, and serves as a source of information to business and governments on economic and demographic data.

University of Virginia
WILSON GEE INSTITUTE FOR RESEARCH IN THE SOCIAL SCIENCES
Cabell Hall
Charlottesville, Virginia Founded 1926

Promotes and supports individual and group research efforts in the social sciences, with particular application to Virginia and the south. Studies include sociology, history, economics and politics.

Washington University
SOCIAL SCIENCE INSTITUTE
St. Louis 30, Missouri Founded 1956
Dr. Nicholas J. Demerath, Director Staff: Professional 2, Other 5

Sponsors interdisciplinary social research in the fields of economics, psychology, history, anthropology, sociology and the professions. Broad areas of application include small groups, industrial behavior, deviant behavior and control, health and medical affairs, urban and regional study, and international conflict and peace. Provides consulting and research service on organizational problems and conducts applied research analyses. Offers human relations training programs for industrial management.

University of Washington
BAILEY & BABETTE GATZERT INSTITUTE OF CHILD DEVELOPMENT
Seattle 5, Washington Founded 1910
Dr. Sidney W. Bijou, Director Staff: Professional 8, Other 2

Research activities center upon learning and motivation in normal and deviant children. Educational program is principally in development, clinical psychology and nursery school education. Sponsors special meetings on nursery school training, the behavior of retarded children, and experimental laboratory methods with children.

University of Washington
OFFICE OF POPULATION RESEARCH
104 Smith Hall
Seattle 5, Washington Founded 1948
Dr. Calvin F. Schmid, Director Staff: Professional 1, Other 2

Conducts basic research in the fields of demography and human ecology, with special emphasis on problems of the Pacific Northwest, particularly the state of Washington. Provides informational and advisory services for governmental, educational, industrial, and other agencies. Serves as a training center in the social sciences.

University of Washington
WASHINGTON PUBLIC OPINION LABORATORY
301 Thomson Hall
Seattle 5, Washington Founded 1947
Dr. Stuart C. Dodd, Director Staff: Professional 2, Other 2

Serves as an interdisciplinary facility in the behavioral sciences. Four major purposes are pursued: civic research--to find the facts and amplify the voice of the people on current issues and problems; basic research--to learn how to predict and guide social behavior; technical research--to improve methods of social investigation and polling; and training--to develop research scientists.

Wayne State University
CHILD RESEARCH CENTER OF MICHIGAN
100 West Kirby Street
Detroit, Michigan
Dr. Wolfgang W. Zuelzer, Director

Wayne State University
REHABILITATION INSTITUTE OF METROPOLITAN DETROIT
100 Kirby Street
Detroit, Michigan
Dr. Joseph Schaefer, Director

Western Michigan University
CENTER FOR COMMUNICATION RESEARCH
Kalamazoo, Michigan
Charles T. Brown, Director Founded 1957

Sponsors objective studies and develops theoretical models of the communications process.

Western Michigan University
CENTER FOR SOCIOLOGICAL RESEARCH
Kalamazoo, Michigan
Dr. Chester L. Hunt, Acting Director Founded 1956

Conducts studies in the fields of mental illness, mass communications, urban services, race relations, employment, voting behavior, alcoholism and underdeveloped areas. Services are offered to private foundations and enterprises and to government agencies concerned with social analysis. Research results are issued as reports and journal articles.

Western Reserve University
PSYCHOLOGICAL RESEARCH SERVICES
11105 Euclid Avenue
Cleveland 6, Ohio Founded 1941
Dr. Jay L. Otis, Director Staff: Professional 4, Other 7

Comprised of several divisions. The Personnel Research Institute works in the area of human relationships and adjustments in business and industry

with two types of service, research and professional consultation, on such problems as employee selection, attitude measurement, job analysis and job evaluation. Reading Improvement Service gives reading diagnosis and training on an individual and group basis. The Educational and Vocational Counseling Division employs tests and interviews in counseling students and adults on educational and vocational problems. Management seminars are presented covering job evaluation, employment interviewing, wage and salary administration, statistical aids for personnel workers, testing, human relations in industry. Research is carried on in many of these areas.

College of William and Mary
INSTITUTE OF EARLY AMERICAN HISTORY AND CULTURE
P. O. Box 1298
Williamsburg, Virginia — Founded 1943
Lester J. Cappon, Director — Staff: Professional 7, Other 3

Sponsors publications and research on historical problems and serves as an information clearing center on American early social and cultural history. Publication: William and Mary Quarterly.

Williams College
ROPER PUBLIC OPINION RESEARCH CENTER
Box 1270 - Stetson Library
Williamstown, Massachusetts — Founded 1957
Prof Philip K. Hastings — Staff: Professional 2, Other 1

Assembles, preserves and organizes survey data of most of the recognized opinion research organizations of the world for the use of accredited scholars engaged in research efforts.

Yale University
CHILD STUDY CENTER
333 Cedar Street
New Haven, Connecticut — Founded 1948
Milton J.E. Senn, Director — Staff: Professional 16, Other 7

Coordinates all activities within the university having to do with development and behavior of children. It operates three services: a child psychiatry unit, nursery school and developmental evaluation service. Research includes "longitudinal" studies of children over time and less than longterm studies of children's behavior and relations.

Yale University
HUMAN RELATIONS AREA FILES, INC.
Yale Station 2054
New Haven, Connecticut — Founded 1959
Clellan S. Ford, President — Staff: Professional 13, Other 15

Organized to advance work in all the sciences relating to man by facilitating research and organizing and distributing results. Controlled and financed by sixteen member universities. The files are an instrument for retrieving and ordering information in the social and behavioral sciences. The data includes material from 180 different cultures and societies and consists of pages from published and unpublished sources. The program serves as a clearing house for social information and a publisher of selected works related to its activities.

Yale University
INSTITUTE OF HUMAN RELATIONS
333 Cedar Street
New Haven, Connecticut

A research center where faculty and advanced students study the various aspects of human behavior.

SECTION 3—REGIONAL & AREA STUDIES

University of Alberta
BOREAL INSTITUTE
Edmonton, Alberta, Canada
Dr. William C. Wonders, Chairman Founded 1960

Recently established in order to acquire and disseminate knowledge of the North through a threefold program: a) information center; b) training and instruction; c) research.

Alfred University
AREA STUDY
Box 664
Alfred, New York
Prof. Henry C. Langer, Jr. Founded 1947

Conducts continuous study of economic and social affairs in a carefully chosen area. Used as a laboratory by students in economics and business. Intensive and additive research in one area is the distinctive feature of the program. Sponsors annual business seminar on regional economic conditions.

Boston University
AFRICAN RESEARCH AND STUDIES PROGRAM
154 Bay State Road
Boston 15, Massachusetts Founded 1953
Dr. William O. Brown, Director Staff: Professional 7, Other 4

Research centers on interdisciplinary review of African affairs. Studies are conducted in anthropology, sociology, political science, economics and history. Research is closely integrated with the teaching program. Sponsors seminars related to research interests.

University of California
CENTER FOR CHINESE STUDIES
Room 318 - Shaffock Avenue
Berkeley 4, California Founded 1958
Dr. Walter Galenson, Chairman Staff: Professional 4

A division of the Institute of International Studies which centers on economic, political, sociological and historical study of modern China.

University of California
CENTER FOR JAPANESE STUDIES
2250 Piedmont Avenue
Berkeley 4, California
Dr. Donald H. Shively, Chairman Founded 1958

Facilitates research of faculty members whose major research commitment is in the Japanese field. Sponsors public lectures, receives visiting scholars, and in other ways serves as a coordinating group for those with a scholarly interest in Japan. Publication: Reprint Series, irregular.

University of California
CENTER FOR SLAVIC AND EAST EUROPEAN STUDIES
2250 Piedmont Avenue
Berkeley 4, California Founded 1947
Dr. Charles Jelavich, Chairman Staff: Professional 23, Other 1

A research and training center in which research efforts are conducted in interdisciplinary areas related to the region embracing the Slavic and East European nations.

University of California
CENTER FOR SOUTH ASIA STUDIES
2250 Piedmont Avenue
Berkeley 4, California Founded 1957
Joan V. Bondurant, Chairman Staff: Professional 2, Other 2

Administers several research programs including the Indian Press Digests project, the South Asia Village Studies project, Maharashtrian project, and the South Asian Languages project. Coordinates a wide range of other activities relating to South Asia Studies, extending from the conduct of a colloquium to performing services for individual faculty members engaged in research on South Asia. Publication: Indian Press Digests Monograph Series, irregular.

University of California
CENTER OF LATIN AMERICAN STUDIES
Los Angeles 24, California Founded 1957
Dr. Russell H. Fitzgibbon, Director Staff: Professional 1

Conducts a variety of research projects, most of which result only in confidential or processed reports for limited circulation. Frequently collaborated with government agencies. Issues Annual Statistical Abstract of Latin America as a by-product of the research program. Sponsors occasional seminars.

University of California
INSTITUTE OF SLAVIC STUDIES
280 Haines Hall
Los Angeles, California
Raymond H. Fisher, Asst. Director

University of California
NEAR EASTERN CENTER
Los Angeles 24, California Founded 1957
Dr. G.E. von Grunebaum, Director Staff: Professional 2

Sponsors research projects dealing with the history and culture of the Islamic peoples. Recent efforts included: "A Manual of Islamic Civilization," "History of the Muslim Word," "Social and Economic History of the Arabian Peninsula," "History of Islam in Spain," "Political Structure of Iran," and "History of the Ottoman Empire from the Fifteenth to the Nineteenth Century."

University of California
RUSSIAN AND EAST EUROPEAN STUDIES CENTER
Los Angeles 24, California Founded 1947
David T. Cattell, Acting Director Staff: Professional 4, Other 1

Sponsors joint and individual research projects centering upon cultural and human problems of the area of concern.

Catholic University of America
ARCTIC INSTITUTE
Washington 17, D.C. Founded 1940
Dr. Artheme Dutilly, Director Staff: Professional 1, Other 1

Conducts exploration of the American Arctic and the Canadian Subarctic, rivers flowing in Hudson and James Bay from Ontario (West) and Ungava (East). Collects plants for the Langlois Herbarium of the Catholic University of America, and for exchanges with other American and foreign herbaria and universities. Publication: Contribution to the Arctic and Subarctic Flora, biennial.

Catholic University of America
INSTITUTE OF IBERO-AMERICAN STUDIES
Washington 17, D.C. Founded 1939

Sponsors and encourages research connected with aspects of the civilization and culture of the countries of Spanish and Portuguese speech, including their former and present dependencies. Conducts conferences and seminars related to the Institute's interests and publishes proceedings.

University of Chicago
ORIENTAL INSTITUTE
1155 East 58th Street
Chicago 37, Illinois — Founded 1919
Dr. Carl H. Kraeling, Director — Staff: Professional 37, Other 9

Research centers on the origin and development of civilization. Normally, the Institute maintains several expeditions in the field, while other research projects are carried on in its headquarters at the University. Houses a museum "containing the largest and most representative collection of objects of ancient Near Eastern culture and art west of the Alleghenies." Materials included range from the palaeolithic age of man to late Byzantine and early Islamic times. Much of what has been brought together derives from the excavations of the Oriental Institute and is thus of particular value because the local and historical context of the materials is known and fully recorded. Research results are published in several different monograph series by the Institute.

City College of New York
INSTITUTE OF NEW YORK AREA STUDIES
139th Street and Convent Avenue
New York 31, New York
Prof. Oscar I. Janowsky, Director — Founded 1954

Conducts and sponsors research in the varied aspects of life in metropolitan New York. Studies in art, literature and music as well as bibliographical, historical, governmental, economic, religious and psychological inquiries, have been made. Research results are published as monographs.

Columbia University
URALIC AND ALTAIC LANGUAGE AND AREA CENTER
701 Philosophy Hall
New York 27, New York — Founded 1959
Prof. John Lotz, Director — Staff: Professional 8

Conducts a research and teaching program in the following six fields: 1) Hungarian, 2) Finnish and Estonian, 3) Uralic, 4) Turkic, 5) Mongolian, and 6) Altaic.

Cornell University
CHINA PROGRAM
Department of Far Eastern Studies
Franklin Hall
Ithaca, New York — Founded 1946
Dr. Harold Shadick, Director — Staff: Professional 9, Other 1

Recent research efforts centered upon Chinese grammar, Chinese painting (Ming period), the modernization of China (19th century), communist China and on Chinese economic problems, social change and government structure.

Cornell University
CORNELL MODERN INDONESIA PROJECT
102 West Avenue
Ithaca, New York
Dr. George McTurnan Kahin — Founded 1954

Conducts a research program concerned with post-independence political and governmental changes in Indonesia. Publication: Interim Reports, irregular.

Duke University
COMMONWEALTH STUDIES CENTER
Durham, North Carolina — Founded 1955
Prof. Robert R. Wilson, Chairman — Staff: Professional 1, Other 1

Devoted primarily to the encouragement of research on relevant economic, political and historical problems of the British Commonwealth of Nations. Sponsors lectures and special studies dealing with various aspects of developments in the Commonwealth which are later published. Sponsors visiting professorships and guest lectureships. Publication: Commonwealth Center Series, irregular.

Fordham University
INSTITUTE OF CONTEMPORARY RUSSIAN STUDIES
441 East Fordham Road
New York 58, New York — Founded 1950
Rev. Dr. Walter C. Jaskievicz, Director — Staff: Professional 10, Other 3

Seeks to serve as an information center on Soviet activity in various areas, e.g., medical and allied sciences, ideological fields, economic, geographic, etc. By review of published material the Institute keeps abreast of personnel, facilities, and trends in various fields. Much material which has been gathered has yet to be systematized. Publication: Medical Reports, monthly.

Georgetown University
INSTITUTE OF ETHNIC STUDIES
Washington 7, D.C. — Founded 1957
Dr. Tibor Kerekes, Exec. Director — Staff: Professional 1, Other 1

Studies the history and culture (secular and religious), economic, political and social development and the racial and linguistic characteristics of nations and peoples in the Soviet dominated orbit and of peoples emerging from former colonial status who are achieving national independence. Sponsors Annual Roundtable Conference, two days in April. Publication: Ethnic Studies, bimonthly.

Harvard University
CENTER FOR EAST ASIAN STUDIES
16 Dunster Street
Cambridge 38, Massachusetts — Founded 1957
Edwin O. Reischauer, Professor — Staff: Professional 8, Other 3

Administers post-graduate training programs and research projects designed to further scholarly understanding of China, Korea, Japan and adjacent areas. The central research theme is the process of political, ideological and economic integration of the countries of East Asia into the modern world. Research results are issued in three series of publications.

Harvard University
CENTER FOR MIDDLE EASTERN STUDIES
16 Dunster Street
Cambridge 38, Massachusetts
Sir Hamilton A.R.Gibb, Director — Founded 1954

Encourages and promotes research on the modern Middle East in the social sciences and humanities. Research results are published in two study series.

Harvard University
HARVARD-YENCHING INSTITUTE
2 Divinity Avenue
Cambridge 38, Massachusetts — Founded 1928
Edwin O. Reischauer, Director — Staff: Professional 8, Other 15

Provides for research, instruction and publication in the cultures of Asia by making available grants for scholarship at Harvard and elsewhere in the fields of oriental civilization. Publication: Harvard Journal of Asiatic Studies, annual.

Harvard University
RUSSIAN RESEARCH CENTER
16 Dunster Street
Cambridge 38, Massachusetts — Founded 1948
Prof. Merle Fainsod, Director — Staff: Prof. 48, Other 5

The objectives are to encourage and support scholarly study of the Soviet Union and of related areas. The points of view and the methods of the various social sciences are brought to bear upon a study of Soviet and Communist societies, in an effort to encourage the special insights of comparative and interdisciplinary approaches to the subject. Research results appear in monographs, journal articles and chapters of books.

Michigan State University
AREA RESEARCH CENTER
Department of Sociology & Anthropology
East Lansing, Michigan
Dr. John Useem, Head — Founded 1950

Conducts research in foreign countries. Recent efforts have included a cooperative agreement with the Institute of Agricultural Sciences in Turrialba, Costa Rica to do work in rural sociology and anthropology in Latin America and a program of sociological research in India has also been carried on.

University of Michigan
CENTER FOR JAPANESE STUDIES
622 Haven Hall
Ann Arbor, Michigan
Dr. John W. Hall, Director — Founded 1947

Conducts continuing research in the social sciences and humanities based on field work; bibliographical research; compiling of instructional texts for area specialists; assembling of readings for instruction; and specialist training in Japanese and Chinese at an advanced level. Publications: Occasional Papers, irregular, Bibliographical Series, irregular.

Mississippi Southern College
INSTITUTE OF LATIN AMERICAN STUDIES
Station A - Box 65
Hattiesburg, Mississippi — Founded 1947
Dr. Reginald C. Reindorp, Director — Staff: Professional 4, Other 3

Studies the most efficient methods and materials for teaching foreign languages. Develops teaching materials for a coordinated program of foreign language instruction for use from kindergarten through the 12th grade. Publication: Bulletin, irregular.

University of North Carolina
INSTITUTE OF LATIN AMERICAN STUDIES
Chapel Hill, North Carolina — Founded 1941
Dr. Federico G. Gil — Staff: Professional 10

Seeks to encourage and stimulate research in Latin American studies, to serve as an agency for cross fertilization among researchers from different disciplines and when feasible, for the synthesis of diverse personal and departmental interests in investigations, to promote the exchange of scholars and students, and the establishment of close working relations with Latin American universities and to serve as an agency to undertake contract surveys or analytical studies in Latin America.

North Dakota Agricultural College
NORTH DAKOTA INSTITUTE FOR REGIONAL STUDIES
Fargo, North Dakota
Harris Dean Stallings, President — Founded 1950

Fosters research, the collecting of materials for research and publication of significant studies. Emphasis is on the natural and cultural history of the region. Recent efforts have been in the areas of biological and social sciences. Maintains a regional animal collection and an actively growing herbarium.

Northwestern University
PROGRAM OF AFRICAN STUDIES
200 Locy Hall
Evanston, Illinois — Founded 1948
Dr. Melville J. Herskovits, Director — Staff: Professional 5, Other 3

Sponsors researches in various parts of Africa and in all contributing and cooperating disciplines of the social sciences. Seminar held weekly from January until June brings specialists in various disciplines and from various territories of Africa to discuss problems within their particular fields of competence. Publication: Northwestern University African Studies, irregular.

University of Notre Dame
PROGRAM OF SOVIET AND EAST EUROPEAN STUDIES
Notre Dame, Indiana — Founded 1953
Prof. Stephen D. Kertesz — Staff: Professional 8

Maintains a collection of materials and facilities for the conduct of research in the history, politics and public and religious life in the region concerned. Research efforts result in the publication of monograph studies.

Ohio State University
INSTITUTE OF POLAR STUDIES
101-102 Mendenhall
125 S. Oval Drive
Columbus 10, Ohio — Founded 1960
Dr. Richard P. Goldthwait, Director — Staff: Professional 5, Other 3

A recently founded center which will focus its research on the polar region and deal with the following scientific phenomena: bacteriology, glacial geology, glaciology, ice physics, lichenology, marine zoology, microclimatology, paleobotany, photogrammetry, plant ecology, soil sciences and bedrock geology.

University of Oklahoma
INSTITUTE OF ASIAN AFFAIRS
Norman, Oklahoma — Founded 1952
Percy Buchanan, Director — Staff: Professional 1

Carries out programs of lectures, television broadcasts, and conferences. Possesses a library of books written in English, Chinese, and Japanese used as background material for research efforts.

University of Pennsylvania
SOUTH ASIA REGIONAL STUDIES
Philadelphia 4, Pennsylvania — Founded 1948
W. Norman Brown, Chairman — Staff: Professional 11, Other 3

Emphasis is on the development of area knowledge through several disciplines in the social sciences and humanities. Library resources and research facilities include a departmental library. Special features are a series of special lectures by visiting Asian, American, and European specialists in art, business, education, journalism, public service, and other fields, and an annual Summer Session on South Asia. Department seminar given annually on some problem of South Asia.

Princeton University
NEAR EAST PROGRAM
Princeton, New Jersey
Prof. T.C. Young, Chairman

University of Puerto Rico
INSTITUTE OF CARIBBEAN STUDIES
Rio Piedras, Puerto Rico — Founded 1958
Dr. Richard M. Morse, Director — Staff: Professional 3, Other 1

Encourages, supports and serves as a center for scholarly research of the Caribbean with particular concentration on the humanities and cultural issues. Sponsors seminars on such topics as rural markets of Haiti, comparison of underdeveloped countries of Africa and the Caribbean, West Indian novels, British Guiana, Jamaica as an underdeveloped country, Curacao and Surinam.

University of Puerto Rico
INSTITUTE OF COOPERATIVISM
Rio Piedras, Puerto Rico — Founded 1953
Mrs. Aida Perez de Figueroa, Director — Staff: Professional 4, Other 8

Conducts management surveys and analysis of consumers, producers, marketing, agricultural and credit unions in Puerto Rico. Publishes monographs and pamphlets based upon research studies. Sponsors seminars, workshops and training institutes.

St. Francis College
BROOKLYN HISTORICAL STUDIES INSTITUTE
35 Butler Street
Brooklyn 31, New York — Founded 1956
James Kelly, Director — Staff: Professional 1

Set up to investigate the sources and depositories of information on the history and development of Brooklyn from the colonial period to the present and to produce original papers from this research. Seeks to collect papers, books and other documents that may directly or indirectly deal with the history of Brooklyn, its people and the economic, social, religious life of the area. Sponsors annual seminar at which work is reported and papers discussed by the researchers. Publication: Brooklyn Historical Studies Bulletin, irregular.

University of Saskatchewan
INSTITUTE FOR NORTHERN STUDIES
Saskatoon, Saskatchewan, Canada
James B. Mawdsley, Director — Founded 1959

Seeks to foster interdisciplinary academic efforts in Canadian north, especially west central, region, from margin of settled area to Artic Circle.

Seton Hall University
INSTITUTE OF FAR EASTERN STUDIES
31 Clinton Street
Newark 2, New Jersey — Founded 1951
Dr. John B. Tsu, Director — Staff: Professional 6, Other 4

Program is directed toward achieving Asian-American solidarity through a research and study program related to oriental affairs and languages. Issues publications based upon research efforts. Sponsors summer institutes and language programs.

Southern Illinois University
LATIN AMERICAN INSTITUTE
Carbondale, Illinois — Founded 1957
Dr. Albert William Bork, Director — Staff: Professional 2, Other 1

Coordinates the area studies programs and plans to engage in research projects related to aspects of Latin American culture. Sponsors Pan American Festival every year, second week in April. Workshops, Summer Study Tours to Mexico and South America, Anthropological and Archeological Work in Mexico.

University of Texas
INSTITUTE OF LATIN AMERICAN STUDIES
Box 7553 — Founded 1941
Austin 12, Texas — Staff: Professional 15, Other 1

Correlates and develops facilities for the advanced study of Latin American culture. Serves as a common center for research, publication and cultural activities relating to Latin America. Closely related to the Institute are the important library collections related to its area of interest. Sponsors conferences, symposia, seminars and public lectures. Publication: Latin American Studies, irregular.

Tulane University
MIDDLE AMERICAN RESEARCH INSTITUTE
New Orleans 18, Louisiana
Dr. Robert Wauchope, Director — Founded 1924

Devoted to research, education and public service related to Mexico and Central America. The Institute has sent a number of expeditions to Middle America whose concerns ranged from simple reconnaisance to intensive work in a variety of subjects including archeology, art, biology, anthropology, ethnology, geography, sociology, political science, linguistics and literature. Maintains an extensive library of books, manuscripts, pamphlets, maps and newspapers relating to the region.

University of Utah
CENTER FOR LANGUAGE AND INTERCULTURAL STUDIES
Building 401 - Hempstead Road
Salt Lake City 12, Utah — Founded 1959
Dr. William Mulder, Director — Staff: Professional 3, Other 1

Emphasis is on securing a knowledge and understanding of the Middle and Far East, preparing instructional materials for teaching Turkish and Arabic and investigating ways and means of facilitating cultural interchange with the East. Seeks also to strengthen the university's library resources on Eastern cultures. Sponsors lectures and symposia. Publication: Western Humanities Review, quarterly.

University of Utah
INSTITUTE OF AMERICAN STUDIES
Salt Lake City, Utah
Don D. Walker, Director — Founded 1957

Sponsors interdisciplinary investigation of problems in American civilization, particularly problems of regional (Western) significance.

Washington University
RESEARCH PROGRAM IN JAPANESE SOCIAL RELATIONS
Department of Sociology and Anthropology
St. Louis 30, Missouri — Founded 1952
Dr. John W. Bennett — Staff: Professional 1

Sponsors a small program of research, formerly located at Ohio State University, and recently transferred to Washington University. Research studies are issued as monographs and journal articles.

University of Washington
FAR EASTERN AND RUSSIAN INSTITUTE
403 Thompson Hall
Seattle 5, Washington — Founded 1946
Prof. George E. Taylor, Director — Staff: Professional 33, Other 6

Major research is centered in the modern Chinese history project, the inner Asia project and the Russia in Asia project. Each has been underway for a number of years and focuses on social, economic and other disciplinary approaches to the area and its development.

Yeshiva University
ISRAEL INSTITUTE
Amsterdam Avenue and 186th Street
New York 33, New York — Founded 1954
Dr. Samuel K. Mirsky, Director — Staff: Professional 3

Conducts research in sociology and anthropology of the ethnic groups constituting the population of the State of Israel, their social habits, family life and the influence of the environment. Sponsors studies in Hebrew law from a comparative point of view and Jewish history with special emphasis on the interrelations between the Holy Land and Jewish settlements through the ages. Sponsors seminars on Jerusalem as a religious and cultural center. Publication: SURA, annual.

SECTION 4—BUSINESS, ECONOMICS & TRANSPORTATION

University of Arkansas
INDUSTRIAL RESEARCH & EXTENSION CENTER
1201 McAlmont Street
Little Rock, Arkansas — Founded 1955
Dean Paul W. Milam, Director — Staff: Prof. 11, Other 5

Conducts research to meet immediate and long-range needs of Arkansas' industrial development program, including market analyses, evaluations of local wages and labor supply, assembly of local tax data and studies of state resources and problems related to manufacturing opportunities. Conducts foreman training courses, small manufacturers' courses, middle management seminars and executive development programs in cities throughout the state. Publication: The Arkansas Economist, 3 issues annually.

University of Akron
BUREAU OF BUSINESS RESEARCH
302 East Buchtel Avenue
Akron 4, Ohio
Dr. Warren W. Leigh, Dean

Efforts are activated only for providing assistance to corporations, businesses, or individuals on a project basis. Research personnel are drawn from the College of Business Administration.

University of Alabama
BUREAU OF BUSINESS RESEARCH
University, Alabama — Founded 1930
Dr. Paul W. Paustian, Acting Director — Staff: Professional 4, Other 5

Conducts studies of statistical measurement in production, trade, financial activity, and employment in Alabama; estimates of population and personal income in Alabama counties; and investigations of the state and regional economies. Sponsors Alabama Business Research Council, Committee for Economic Development area development program. Publications: Alabama Business, monthly, Alabama Retail Trade, monthly.

Arizona State University
BUREAU OF BUSINESS SERVICES
Tempe, Arizona
Dr. Ralph C. Hook, Jr., Director — Staff: Professional 1, Other 1

Fields studied include state migration, marketing research, magazine readership, aircraft ownership in the state, tourism, motivational analyses, tax studies, and small business management. Conducts weekly radio panel discussion concerning business and related topics. 1958-59 Seminars and conferences included the following: 8th and 9th Small Business Management Seminars, Credit Union Management Seminar, Middle Management Seminar (for engineers and technical people in the electronics industry), Seminar for Secretaries, Real Estate Management Seminar. Publication: Arizona Business Bulletin, monthly.

University of Arizona
BUREAU OF BUSINESS & PUBLIC RESEARCH
Tucson, Arizona — Founded 1949
Dr. Lauren W. Casaday, Director — Staff: Professional 8, Other 4

Collects, analyzes and disseminates data on business, economics, social problems, community organization and planning, area development and governmental administration relating to the state and region. Research results are included in the monthly journal and special study publications. Special services include: a) a reference library, b) collaboration and counsel with quasi-public and government bodies, c) sponsorship of statewide and local conferences and clinics. Conducted Arizona Statewide Industrial Development Workshops in March, 1955 through 1958. The March 1959 meeting included the State of Sonora, Mexico, and was "The Arizona-Sonora International Conference on Regional and Community Development. Publication: Arizona Review of Business & Public Administration, monthly.

University of Arkansas
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Fayetteville, Arkansas — Founded 1932
Dean Paul W. Milam, Director — Staff: Professional 2, Other 1

Engages in basic studies related to the population and income situation in the various regions of the state. Publication: Arkansas Business Bulletin, quarterly.

Babson Institute of Business Administration
BOARD OF RESEARCH
Babson Park 57, Massachusetts — Founded 1951
Walter H. Carpenter, Jr., Director — Staff: Professional 1, Other 1

Conducts research sponsored by business and government agencies, in all fields of business administration, including marketing, finance, industry studies, labor relations and collective bargaining, etc.

Boston College
BUREAU OF BUSINESS RESEARCH
Chestnut Hill 67, Massachusetts — Founded 1955
Richard M. Doherty, Director — Staff: Professional 2, Other 1

Conducts research on various business topics. Recent efforts included a study of the New England and Canadian fishing industries for the Fish and Wildlife Service of the U.S. Department of the Interior. Sponsors occasional seminars and conferences.

Boston University
BUREAU OF BUSINESS RESEARCH
685 Commonwealth Avenue
Boston 15, Massachusetts
Francis S. Doody, Acting Director — Staff: Professional 2, Other 1

Engages in a variety of economic and business research studies on national, regional and local problems. Special stress is placed on research and consulting service to the New England economy and the problems of the Boston community. Publication: Boston University Monthly Index of Business Activity, New England and United States, monthly.

University of California
BUREAU OF BUSINESS & ECONOMIC RESEARCH, NORTHERN SECTION
488 Library Annex
Berkeley 4, California — Founded 1941
Dr. Richard H. Holton, Director — Staff: Prof. 5, Other 3

Facilitates faculty research into problems of economics and of business with an emphasis on California and the Pacific Coast. Studies deal with specific industries, problems of business management, finance, marketing, etc. Monographs of works done under Bureau auspicies are published and reprints are issued. Activities are coordinated with the Southern Section of the Bureau at Los Angeles.

University of California
INSTITUTE OF TRANSPORTATION AND TRAFFIC ENGINEERING
Berkeley 4, California — Founded 1948
Prof. Harmer E. Davis, Director — Staff: Prof. 30, Other 12

Conducts research related to the design, construction, maintenance and operation of highways (including streets and roads), airports, and other transportation facilities, to the engineering economics and administration of highways and airports, to the inter-related problems of highway design, traffic control, and highway safety, and to inter-relationships of transportation modes, mass transit, urban development, etc. Sponsors Annual California Street and Highway Conference and numerous extension courses, special short courses, conferences and seminars during the year. Publication: ITTE Quarterly Bulletin.

University of California
BUREAU OF BUSINESS & ECONOMIC RESEARCH, SOUTHERN SECTION
Los Angeles 24, California — Founded 1949
Dr. Ralph Cassady, Jr., Director — Staff: Professional 1, Other 2

Facilitates faculty research into business and economic problems, particularly those of California and the Pacific area. Studies cover industry analyses, corporate management, labor-business relations, public accounting practice, etc. Research monographs and reprints are issued based upon faculty research. Activities are coordinated with the Northern Section of the Bureau at Berkeley.

University of California
INSTITUTE OF TRANSPORTATION AND TRAFFIC ENGINEERING
Los Angeles 24, California — Founded 1948
Prof. John H. Mathewson, Asst. Dir. — Staff: Prof. 30, Other 12

For description of activities see listing for University of California (Berkeley).

University of California
MANAGEMENT SCIENCES RESEARCH PROJECT
405 Hilgard
Los Angeles 24, California — Founded 1952
Dr. James R. Jackson, Director — Staff: Professional 1, Other 1

Research in the management sciences, with recent efforts centered on job-order production problems, and various potentialities of decision gaming. Results issued in mimeographed form.

University of California
REAL ESTATE RESEARCH PROGRAM
Graduate School of Business Administration
Los Angeles 24, California — Founded 1951
Dr. Fred E. Case, Director — Staff: Professional 4, Other 3

Conducts studies to advance knowledge of the structure and behavior of real estate markets, of the dynamics of land use, and of urban growth patterns. Investigates management practices and problems in the real estate business, of real estate financing and of public policies affecting use and dévelopment of urban land. Publishes reports, monographs and reprints based upon research program.

University of Chicago
ECONOMICS RESEARCH CENTER
Chicago, Illinois
Dr. H. Gregg Lewis, Director — Staff: Professional 2, Other 3

Serves as a central clearing house and provides physical facilities, clerical, computing and research assistant services to members of the economics faculty in the course of their research activities.

University of Colorado
BUREAU OF BUSINESS RESEARCH
Boulder, Colorado — Founded 1921
L. J. Crampon, Director — Staff: Professional 4, Other 3

Serves businessmen in Colorado by undertaking general studies of business conditions, economic trends, industrial analyses, and specific research into particular business problems which relate to the state's short or long term economic well being. Publication: Colorado Business Review, monthly.

University of Connecticut
BUREAU OF BUSINESS RESEARCH AND SERVICE
Storrs, Connecticut — Founded 1941
Dean L.J.Ackerman, Sch. of Bus. Adm. — Staff: none

Activities are undertaken under special grants to the University, but there is no continuing active program.

University of Delaware
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
Newark, Delaware — Founded 1956
Blaine G. Schmidt, Acting Director — Staff: Professional 1

Conducts a range of studies in socio-economic fields as for example financial and unemployment surveys, analysis of the impact of the federal highway program and problems of suburban development.

University of Denver
BUREAU OF BUSINESS AND SOCIAL RESEARCH
1445 Cleveland Place
Denver 2, Colorado
T.H. Cutler, Dean — Founded 1924

In the process of changing from a centralized bureau staff to an all business faculty research facility. Concern will center on general business problems rather than those sponsored confidentially by private firms. Recent efforts focused on the economic impact of the regional highway situation and problems of nurse licensing in Denver.

University of Detroit
INSTITUTE FOR BUSINESS SERVICES
4001 West McNichols
Detroit 21, Michigan — Founded 1954
Dr. C.T. Hardwick, Director — Staff: Professional 3, Other 1

Conducts research and publishes findings on such applied problems as: impact of suburban shopping center on downtown districts, the guaranteed wage, automobile market determinants, stages in decision-making and diversification of the local economy. Sponsors more than 100 programs and conferences each year. Publication: Research Bulletins, bi-annually.

Duquesne University
BUREAU OF RESEARCH IN BUSINESS, COMMUNITY & GOVERNMENT AFFAIRS
600 Forbes Avenue
Pittsburgh 19, Pennsylvania — Founded 1957
Dr. Theodore Bakerman, Director — Staff: Professional 2, Other 2

Research efforts are subsidized by grants from individuals, foundations, industry or governmental agencies. Recent investigations centered upon the fields of wage earners' opinions of wage policies, use of human resources in industry, small business problems, industry and area economics, market surveys, social and private insurance, medical statistics and political opinion. Publications: Graduate Business Research Reprints, irregular, Business Research Reprints, quarterly.

Fenn College
BUREAU OF BUSINESS RESEARCH
Cleveland 15, Ohio
John G. McGrew, Chairman — Founded 1948

Use research projects on regional problems as educational tools by studying community, industrial and college situations. Recent efforts resulting in publications have centered on the impact of St. Laurence Seaway in the Port of Cleveland, world trade via Lake Erie Ports and Outbound Air Passengers, Cleveland Hopkins Airport.

University of Florida
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
207 Matherly Hall
Gainesville, Florida — Founded 1930
Dr. George B. Hurff, Director — Staff: Professional 4, Other 4

Develops and analyzes economic statistics dealing with Florida and the southeast and publishes business and economic data dealing with the region. Renders consultant services to business community, civic groups and government. Provides research opportunities for the teaching faculty and training for graduate students. Publications: Florida Construction Review, monthly, Economic Leaflets, monthly.

Fort Lewis A & M College
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Durango, Colorado — Founded 1957
William L. Heuser, Coordinator of Res. — Staff: Professional 1, Other 1

Conducts research of a regional nature and coordinates institutional and educational research. Typical studies have included: "A Survey of the Economic Potential of the Cortez, Colorado, Area," "A Survey of Demand for Types of College Graduate Majors in the Rocky Mountain Region," "A Commercial Survey of the Durango, Colorado, Area,"etc.

The George Washington University
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
802 21st Street, N.W.
Washington 6, D.C.
J.C. Dockeray, Chrmn.,Exec. Com. — Staff: Professional 2, Other 1

Operates as part of the School of Government. Attention is concentrated upon problems of the District of Columbia metropolitan area and is sponsored by public and private agencies. Research results are reproduced and disseminated.

Georgia State College
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
33 Gilmer Street, S.E.
Atlanta 3, Georgia — Founded 1950
Dr. Willys R. Knight, Director — Staff: Professional 4, Other 1

Organizes, stimulates and conducts research in all areas of economics and business administration which is carried out under the direction of the College of Business Administration faculty. Research papers and monographs are published as projects are concluded. Publication: Atlanta Economic Review, monthly.

University of Georgia
BUREAU OF BUSINESS RESEARCH
Athens, Georgia — Founded 1928
Dr. John P. Gill, Director — Staff: Professional 1, Other 1

Promotes the study, by faculty and staff, of business and economic conditions and problems, particularly as they relate to the state. Provides service to the business and university community by providing training in research techniques, maintenance of a reading room and other aid in securing data, consultation on specific problems and offering dissemination of research findings in published form. Studies are concerned with compilation of directories of regional business, specific industry surveys and statistical analysis. Publications: Southeastern Resources Handbook, biennial, Georgia Statistical Abstract, annual, Georgia Business, monthly.

Harvard University
DIVISION OF RESEARCH
Graduate School of Business Administration
Soldiers Field
Boston 63, Massachusetts — Founded 1912
Dr. Bertrand Fox, Director — Staff: Prof. 22, Other 16

Projects have two characteristics, they involve a clinical approach involving field investigation and observation of actual business situations and they are action oriented. Studies conducted are of broad general study interest and are typically published. Recent research areas have included marketing studies, financial problems, inventory control, automatic data processing, business history, international business, business agriculture relations, human relations in industry and measurement of consumer behavior. Within the Division of Research is the Bureau of Business Research which conducts studies of a statistical nature. Sponsors seminars and conferences related to resource activities.Publications: Operating Costs of Department and Specialty Stores, annual, Operating Costs of Food Chains, annual.

University of Hawaii
ECONOMIC RESEARCH CENTER
Honolulu 14, Hawaii — Founded 1959
Daniel M. Slate, Acting Director — Staff: Professional 7, Other 3

Performs basic economic research related to governmental needs, the island economy, statistical data and the economic climate of Hawaii, and seeks to promote understanding of the economy.

University of Houston
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Cullen Boulevard
Houston, Texas — Founded 1952
Dr. Paul H. Rigby, Director — Staff: Professional 2, Other 1

Principal efforts consist of research on operational problems of the business firm through either contracts with specific organizations or grants. Prepares a monthly analysis of Houston business conditions and, as an agent of the Bureau of the Census, collects retail trade statistics from firms in the Houston area. Issues monographs based on research findings. Sponsors occasional seminars. Publication: Business Review, monthly.

University of Idaho
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
College of Business Administration
Moscow, Idaho — Founded 1959
Norman Nybroten, Assoc. Director — Staff: Professional 1, Other 1

Conducts research studies in business and economics under external sponsorship. Recent efforts centered on highway economics, Indian affairs (co-ordinating university-wide research), and retail credit extension.

Illinois Institute of Technology
NATIONAL CENTER OF EDUCATION & RESEARCH IN EQUIPMENT POLICY
Chicago 16, Illinois — Founded 1953
Dr. Gerald J. Matchett, Director — Staff: Professional 1

Disseminates information on plant equipment policies and sponsors the conduct of fundamental research on machinery depreciation and obsolescence and tax and related aspects of these issues. Maintains a comprehensive library relating to equipment acquisition and replacement policies.

University of Illinois
BUREAU OF BUSINESS MANAGEMENT
15 F.A.C. Annex
Urbana, Illinois — Founded 1947
Irwin Cochrun, Director — Staff: Professional 6, Other 3

Conducts studies in the fields of management, finance and marketing for various trade associations, and consumer shopping habit surveys, store appraisals, and other local research for communities and chambers of commerce. Schedules a number of management institutes, clinics, and seminars either under University sponsorship or in collaboration with trade associations.

University of Illinois
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
Box 658 - Station A
Champaign, Illinois
Dr. V. Lewis Bassie, Director — Staff: Professional 7, Other 4

Conducts a range of research activities covering the various fields of business management concern. Study results are disseminated in published form. Publications: Illinois Business Review, monthly, Current Economic Comment, quarterly.

Indiana University
BUREAU OF BUSINESS RESEARCH
School of Business
Bloomington, Indiana — Founded 1925
Dr. Schuyler F. Otteson, Director — Staff: Prof. 10, Other 6

Conducts continuous research and accumulation of data providing indications of business activity levels in the state and in specific regional industries. Special research projects are also undertaken. Research results are published by the Bureau as monographs, case studies, bulletins and journal articles. Publications: Indiana Business Review, monthly, Business Horizons, quarterly.

State University of Iowa
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Iowa City, Iowa — Founded 1926
Dr. C. Woody Thompson, Director — Staff: Professional 7

Conducts research in regional economic development and issues studies concerned with such matters as income distribution, manufacturing trends and state and local finance. Sponsors workshops and seminars in economic education. Publication: Iowa Business Digest, monthly(except September).

John Carroll University
BUSINESS RESEARCH CENTER
University Heights
Cleveland 18, Ohio — Founded 1956
Frank J. Devlin, Director — Staff: Professional 1, Other 1

Conducts regional studies in marketing and other applied fields related to business interests in the area and also publishes business and economic studies conducted by the Center on its own initiative. Publication: Carroll Business Bulletin, quarterly.

University of Kansas
CENTER FOR RESEARCH IN BUSINESS
210 Summerfield Hall
Lawrence, Kansas — Founded 1924
Dr. Edward G. Nelson, Director — Staff: Professional 1, Other 2

Interprets current business data and compiles factual information useful to governmental bodies and businessmen. Studies are conducted in special fields and recommendations are made regarding desirable changes in legislation and business practices. Business surveys are undertaken for organizations, trade groups and associations and research reports are published. Publication: Kansas Business Review, monthly.

University of Kentucky
BUREAU OF BUSINESS RESEARCH
Lexington, Kentucky — Founded 1928
Prof. James W. Martin, Director — Staff: Prof. 10, Other 3

Provides for the investigation of problems in the fields of economics and business. Efforts include work for civic organizations and private groups but principal activities center on problems of federal, state and local government. Recent studies have dealt with highway and land use problems, revenue sources for education, state debt administration, tourism and comparative taxation. Sponsors conferences and seminars related to ongoing research efforts.

Long Island University
BUSINESS RESEARCH COUNCIL
Zeckendorf Campus
Brooklyn 1, New York
Jerry Cohen

Seeks to serve business organizations and educational institutions by conducting research on topical business problems. Recent efforts included a report and analysis on motivation research and the preparation of a bibliography of automation. Studies are carried out by students under faulty guidance.

Louisiana Polytechnic Institute
DEPARTMENT OF BUSINESS AND ECONOMIC RESEARCH
Ruston, Louisiana — Founded 1954
Dr. Howard L. Balsley, Head — Staff : Prof. 1, Other 1

Conducts studies of trade and industry in the Northern Louisiana area. Stimulates and supports faculty scholarship. Issues monographs deemed to be of practical use to regional businessmen.

Louisiana State University
DIVISION OF RESEARCH
College of Commerce
Baton Rouge 3, Louisiana — Founded 1937
Dr. P.F. Boyer, Director — Staff: Professional 1, Other 3

Conducts studies of regional industrial and commercial resources with particular reference to the location of industry and the development of trade. Furnishes current business and economic data on Louisiana business activity and prepares and publishes material related to the economy of the state. Publication: Louisiana Business Review, monthly.

Marquette University
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
606 North 13th Street
Milwaukee 3, Wisconsin
Harvey E. Hohl, Acting Director — Staff: Professional 1, Other 4

Engages in research studies for industry and government. Recent efforts have included a bank location study, a study of revenue needs for Milwaukee county, a cost study for community rehabilitation, attitude surveys and an interview analysis for a major department store related to customer opinions. Publication: Marquette Business Review, 5 issues annually.

University of Maryland
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
College Park, Maryland — Founded 1947
Dr. John H. Cover, Director — Staff: Professional 3, Other 2

Conducts research on local, regional, and international problems regarded as of contemporary significance. Performs research services on behalf of government or civic groups. Provides training in methodology for advanced students who participate in research activities. Publication: Studies in Business and Economics, quarterly.

Miami University
BUREAU OF BUSINESS RESEARCH
103 Laws Hall
Oxford, Ohio
Dr. J.C. Seibert, Director — Founded 1938

Conducts a range of research activities which varies from year to year, but covers generally the major areas of business and economic concern. Reports based on studies are issued from time to time. Publication: Miami Business Review, 5 issues yearly.

University of Miami
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
P. O. Box 8166 - University Station
Coral Gables 46, Florida — Founded 1949
Dr. Reinhold P. Wolff, Director — Staff: Professional 3, Other 2

Undertakes research in applied economics, marketing, population and related areas. Gathers and publishes food cost statistics, home price indexes and surveys apartment vacancies. Data on regional and Caribbean area tourism is compiled. Conducts studies in regional development, land use, industrialization and socio-economic problems. Publishes: Miami Economic Research, quarterly.

Michigan College of Mining and Technology
INSTITUTE OF ACCOUNTING RESEARCH
Houghton, Michigan
Sam B. Tidwell, Director — Founded 1959

Provides an organized accounting research staff through which information can be assembled, interpreted and published. Projects are undertaken in cooperation with professional associations. Recent study has centered on the basic accounting problems related to public school accounting.

Michigan State University
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
East Lansing, Michigan — Founded 1951
Dr. Eli P. Cox, Director — Staff: Professional 4, Other 5

Conducts research (both independent and contract research for public agencies), and facilitates faculty research in all of the fields of economic and business activity. Disseminates research findings in periodicals, books, monographs, occasional papers and research reports. Publications: Business Topics, quarterly, Michigan Economic Record, monthly.

Michigan State University
HIGHWAY TRAFFIC SAFETY CENTER
Wells Hall - Section D.
East Lansing, Michigan — Founded 1956
Gordon H. Sheehe, Director — Staff: Prof. 25, Other 10

Conducts experimentation and research to evaluate methods and programs, develop new equipment, analyze problems, and develop standards for improved administration and safety of traffic. Serves as a central clearing house for information and materials concerning traffic affairs. Sponsors conferences and short courses on highway traffic administration and safety. Publication: Center Letter, 10 times a year.

University of Michigan
BUREAU OF BUSINESS RESEARCH
Ann Arbor, Michigan — Founded 1924
William J. Carey, Assoc. Director — Staff: Professional 2, Other 3

Provides centralized administration and sponsorship of all sponsored research conducted in the School of Business Administration. Areas of research interest include accounting, finance, marketing, statistics, taxation and applied economics. Research findings are published in monographs and study reports. Publications: Michigan Business Papers, irregular, Michigan Business Reports, irregular, Michigan Business Studies, irregular.

University of Michigan
TRANSPORTATION INSTITUTE
East Engineering Building
Ann Arbor, Michigan
John C. Kohl, Director — Founded 1952

Conducts and coordinates research in all areas of transportation activities and functions. Serves also as a point of reference for all questions arising within the university, or directed to the university, which relate to any aspect of transportation. A special library in the fields of transportation is maintained. Sponsors seminars and conferences, i.e., Annual Michigan Highway Conference, Railroad Management Seminar, Parking-Expressway Workshop.

Mississippi State University
BUSINESS RESEARCH STATION
P. O. Box 1496
State College, Mississippi — Founded 1939
Louis M. O'Quinn, Assoc. Director — Staff: Professional 1, Other 2

Conducts specific studies on various features of the Mississippi economy, compiles current regional business data, including an index of the level of economic activity, aids agencies in the state, both private and public, in making studies related to business and economic affairs. Serves as an informational clearing center on business and economic matters in the state. Publication: Mississippi Business Review, monthly.

University of Mississippi
BUREAU OF BUSINESS RESEARCH
University, Mississippi — Founded 1942
Dr. Edward H. Hobbs, Director — Staff: Professional 3, Other 1

Functions are (1) to make studies at the requests of public officials, private agencies, and properly interested individuals; (2) to serve as a depository and clearing house for information on state and local governments and on the state's economy and business activities; (3) to provide a consulting service for public officials, business enterprises, private agencies, and properly interested individuals; (4) to cooperate in projects initiated by public and private agencies; (5) to conduct research, on its own initiative, related to Mississippi or this region. Publication: Mississippi's Business, bimonthly.

University of Mississippi
DEPARTMENT OF RESEARCH IN BUSINESS & PUBLIC ADMINISTRATION
University, Mississippi — Founded 1946
Dr. Edward H. Hobbs, Chairman — Staff: Professional 4, Other 2

In two sections: Bureau of Business Research and Bureau of Public Administration. The former makes periodic analyses of business conditions in the state and conducts studies of particular economic problems. The latter conducts research into specific problems of state and local government and renders service to municipalities and public agencies. Sponsors occasional conferences and institutes. Publications: Mississippi's Business, bimonthly, Public Administration Survey, bimonthly.

University of Missouri
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
School of Business and Public Administration
Columbia, Missouri — Founded 1959
Dr. Robert W. Paterson, Director — Staff: Professional 2, Other 2

Initiates and develops projects relating to local, state, national and international economic and fiscal problems and undertakes historical studies related to important matters of current policy. Publication: Business and Economic Review, bimonthly.

Montana State University
BUREAU OF BUSINESS & ECONOMIC RESEARCH
Missoula, Montana — Founded 1940
Dr. E.J. Chambers, Assoc. Director — Staff: Professional 1, Other 1

Provides businessmen in the state with statistical data governing regional business activity, disseminates information on state economic and social conditions, and engages in studies in the social and economic sciences which show promise of making contributions to knowledge and to the development of improved methods of analysis in business and economics. Publication: Montana Business Review, monthly.

University of Montreal
INSTITUTE OF APPLIED ECONOMICS
535 Viger Avenue
Montreal 24, Canada — Founded 1949
Francois-Albert Angers, Director — Staff: Professional 9, Other 2

Recent research efforts included studies of the economic policy in Canada and inflation; macroeconomics type of economic policy and their influence on regional economic development, especially in relation with full employment; the impact of Canado-American economic relations on cyclical fluctuations in Canada; the economic consequences of strikes and the problem of capacity to pay in industry; the efficiency and implication of price stabilization in agriculture in Canada; interlocking directorate and its meaning in terms of economic control; the determination of the number of dwellings and their types in a community.

University of Nebraska
DEPARTMENT OF BUSINESS RESEARCH
Lincoln 8, Nebraska — Founded 1920
Edgar Z. Palmer, Chairman — Staff: Professional 2, Other 1

Conducts a research and publication program in which the field of study is community and regional economics, although other related topics are also considered. Serves as support and sponsoring body for business administration faculty research efforts. Publication: Business in Nebraska, monthly.

University of Nevada
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
P.O.Box 9055 - University Station
Reno, Nevada — Founded 1956
Dr. Robert C. Weems, Jr., Director — Staff: Professional 3, Other 3

Conducts a program of business and economic research centered upon local and regional problems. Research sponsorship comes from the university, other state bodies and through contract research for organizations and industry. Publication: Nevada Business Review, monthly.

University of New Mexico
BUREAU OF BUSINESS RESEARCH
1821 Roma Avenue, NE
Albuquerque, New Mexico — Founded 1945
Prof. Ralph L. Edgel, Director — Staff: Professional 5, Other 5

Assembles and organizes information on all phases of economic activity in the state, constructs measure of regional business activity, studies and interprets economic conditions of the state, disseminates research findings and renders various services to the business community including special investigations, preparation of special tabulations and analyses and consultation on business problems. Sponsors conferences and workshops. Publication: New Mexico Business, monthly.

New York University
C. J. DEVINE INSTITUTE OF FINANCE
100 Trinity Place
New York 6, New York — Founded 1925
Dean Joseph H. Taggart, Director — Staff: Professional 3, Other 2

Principal research activity is the publication of bulletins of timely interest dealing with domestic and international financial problems, a statistical bulletin containing important data relating to various foreign countries, and special bulletins analyzing the credit position of the individual countries. Successor to the Institute of International Finance. Publication: Bulletin, irregular.

New York University
INSTITUTE OF ECONOMIC AFFAIRS
475 Fifth Avenue
New York 17, New York — Founded 1950
Haig Babian, Exec. Director — Staff: Professional 6, Other 5

Issues economic reports intended to provide laymen with understanding of modern economic and financial issues. Serves as consultant organization to organizations, schools and industry on the problems of popular economics education. Publications: Challenge, The Magazine of Economic Affairs, 10 issues per year, Economic Affairs, A Newsletter of Analysis, semi-monthly.

University of North Carolina
BUREAU OF BUSINESS SERVICES AND RESEARCH
P. O. Box 190
Chapel Hill, North Carolina — Founded 1945
R.S. Winslow, Director — Staff: Professional 1, Other 1

Cooperates with university programs, private firms and trade groups in organizing and extending the facilities of the School of Business Administration to the state's business community. Designs and administers adult education programs. Acts as consultant to business firms and directs continuing management programs around the state.

University of North Dakota
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
University Station
Grand Forks, North Dakota — Founded 1954
Dr. William E. Koenker, Director — Staff: Professional 1, Other 1

Coordinates research in business, economics and government. Recent efforts included two research studies for the Legislative Research Committee, one a tax equity analysis and the other an analysis of the problems involved in consolidating the various investment trust funds of the State of North Dakota, and two studies for the Unemployment Compensation Division -- one on farm labor employment in North Dakota and the other on State and Local Government Employees. The Bureau collects and processes economic data and serves as a repository for such regional information. Sponsors occasional programs for business groups interested in developments in the North Dakota economy. Publication: North Dakota Business, quarterly.

Northeastern University
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
360 Huntington Avenue
Boston 15, Massachusetts — Founded 1953
Dr. William H. Miernyk, Director — Staff: Professional 2, Other 2

Engages principally in sponsored research in areas which have community interest or which may further general knowledge in the broad fields of business and economic analysis. Recent studies have focused on commuting patterns in Eastern Massachusetts and salaries and income of engineering professors.

Northwestern University
BUSINESS PRESS INSTITUTE
Medill School of Journalism
Evanston, Illinois — Founded 1958
Floyd G. Arpan, Director — Staff: Professional 2, Other 3

Conducts research on behalf of the business press industry and for individual publications and publishing firms. Provides educational opportunities in the form of one to two week length seminars in such fields as editorial policies and practices, advertising and sales promotion, production and management.

Northwestern University
TRANSPORTATION CENTER
1818 Hinman Avenue
Evanston, Illinois — Founded 1954
Franklin M. Kreml, Director — Staff: Prof.35, Other 20

Provides, through research, information and analysis on basic and timely problems of transportation regulation, finance, economics, operations and laws. Research of an interdisciplinary nature draws upon talent outside as well as inside the university and is undertaken on the basis of potential contributions to the long range transportation welfare of the nation. Maintains a library in the specific fields of transportation. Conducts a program of intensive short courses for industry personnel. Publication: Journal of Air Law & Commerce, quarterly.

Norwich University
VERMONT BUREAU OF INDUSTRIAL RESEARCH
Northfield, Vermont — Founded 1939
John M. Sayward — Staff: Professional 2, Other 1

Sponsors advisory service to small industries of Vermont on technical and business problems. A certain emphasis falls on wood, a major local resource and industry, served by a wood technologist staff member. There is also some interest in waste utilization (wood, bark, mineral). Issues occasional bulletins.

Ohio State University
BUREAU OF BUSINESS RESEARCH
Hagerty Hall - 1775 South College Road
Columbus 10, Ohio — Founded 1923
Dr. Viva Boothe, Director — Staff: Professional 7, Other 5

Conducts research in the various functional areas represented in the several departments of the College of Commerce. Results of the efforts of the Bureau staff and faculty are issued in a series of monograph studies. Cooperates in the sponsorship of numerous annual business conferences such as insurance, personnel, real estate and accounting. Publications: Bulletin of Business Research, monthly, Ohio Retail Annalist, monthly.

University of Oklahoma
BUREAU OF BUSINESS RESEARCH
College of Business Administration
Norman, Oklahoma — Founded 1928
Francis R. Cella, Director — Staff: Professional 3, Other 1

Performs three activities: basic research in business, development of business data and applied business studies. Basic research efforts relate to the development of new techniques of analysis. Data gathering lies in the compilation of state business trends and socio-economic statistical analysis and estimates. Applied research includes market research, industrial location, production analysis, and other problems of business organizations or government departments. A special library in business and economics and IBM tabulating equipment comprise parts of the Bureaus' resources. Publication: Oklahoma Business Bulletin, monthly.

University of Omaha
BUREAU OF INDUSTRIAL TESTING & INSTITUTIONAL RESEARCH
60th and Dodge Streets
Omaha 1, Nebraska — Founded 1950
Dr. William E. Jaynes, Director — Staff: Professional 1, Other 1

Provides industrial testing and consultation services to industry in such areas as merit and job evaluation and pension surveys. Develops, applies and evaluates psychological and statistical tools specifically tailored to the needs of Omaha businessmen. Conducts numerous institutional testing and counselling services.

University of Oregon
BUREAU OF BUSINESS RESEARCH
Eugene, Oregon — Founded 1923
Dr. Wesley C. Ballaine, Director — Staff: Professional 3, Other 1

Conducts a continuing program for the study of business and economic problems with emphasis on the northwest region. Studies are undertaken for state and federal agencies, as well as for foundations and private firms. Gathers and disseminates economic and other statistics relating to Oregon. Sponsors seminars relating to Bureau activities. Publication: Oregon Business Review, monthly.

Pennsylvania State University
BUREAU OF BUSINESS RESEARCH
229 Boucke Building
University Park, Pennsylvania — Founded 1941
Dr. Earl P. Strong, Director — Staff: Professional 4, Other 3

Conducts investigations bearing upon the production, manufacture, preparation, use, distribution, financing and marketing of the products and services of industry. Efforts include analytical studies of problems of business practice, development of increased knowledge of the state's resources, improvement of instructional materials, preparation of uniform systems of reporting data and the collection of socio-economic statistics. Engages in community, county, and regional surveys and research studies, and carries out specialized research projects for state agencies and industries. Publication: Pennsylvania Business Survey, monthly.

University of Pennsylvania
PENSION RESEARCH COUNCIL
3620 Locust Street
Philadelphia 4, Pennsylvania
Dr. Dan M. McGill, Director — Founded 1952

Sponsors nonpartisan research in the area of private pensions. Recent monographs were Fundamentals of Private Pensions, Concepts of Actuarial Soundness in Pension Plans, Positive Experiences in Retirement, and Social Aspects of Retirement. Five volumes on the security of pension benefits were recently in preparation.

University of Pennsylvania
TAYLOR MANAGEMENT LABORATORY
Philadelphia 4, Pennsylvania — Founded 1949
Dr. Adrian M. McDonough, Director — Staff: Prof. 1, Other 2

Areas of research activity include: data processing for the insurance industry, inventory control in department stores, and studies of systems education sponsored by the Systems and Procedures Association of America. Sponsors Advanced Business Systems Conference, Wharton Refresher Conference, General Electric Conference on Work Simplification and Systems Design, etc.

University of Pittsburgh
ADMINISTRATIVE SCIENCE CENTER
Pittsburgh 13, Pennsylvania — Founded 1957
Dr. James D. Thompson, Director — Staff: Professional 6, Other 3

Efforts encompass two kinds of research: 1) synthesis of existing concepts and models of administration into a general framework, and modification of this general framework to make it amenable for research purposes; 2) original field and laboratory research testing the hypotheses generated in 1) above. Publication: Series in Comparative Administration, irregular.

University of Pittsburgh
BUREAU OF BUSINESS RESEARCH
Pittsburgh 13, Pennsylvania — Founded 1924
Dr. Paul D. Walter, Acting Director — Staff: Professional 4, Other 7

Conducts research and issues publications related to general and regional business issues. Recent efforts included area economic studies, bibliographies of small business and taxation, a reorganization study of tax equalization and a monograph on financing higher education. Sponsors annual 1-day conference -- Pitt Conference on Business Prospects. Publications: Summary of Business Conditions in the Pittsburgh District, weekly, Pittsburgh Business Review, monthly.

Purdue University
JOINT HIGHWAY RESEARCH PROJECT
Lafayette, Indiana — Founded 1936
K.B. Woods, Director — Staff: Prof. 23, Other 6

Conducts basic studies of materials used in highways; conducts research to facilitate economical design, construction and maintenance of county and state highways; investigates traffic, safety, and economics; provides advanced instruction in the fundamentals of highway engineering and related research; and provides practical experience in construction and maintenance procedures and use of highway materials. Sponsors Purdue Road School (April of each year).

Queen's University
INSTITUTE FOR ECONOMIC RESEARCH
Kingston, Ontario, Canada
F.A. Knox, Director — Founded 1956

Encourages fundamental research by Canadian economists. Each economist works on topics of his own choice and on his own. The Institute provides a forum for the discussion of problems and for the critical review of research findings and the pooling of information on methods and materials.

Rutgers-The State University
BUREAU OF ECONOMIC RESEARCH
New Brunswick, New Jersey
Dr. Max Gideonse, Acting Director — Staff: Professional 1

Conducts studies in the fields of business and economic activity.

San Diego State College
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
San Diego 15, California
Donald F. Lawson, Director — Founded 1957

Facilities include editorial aid, research librarian and reference library, conducts supported and unsupported research which does not compete with business research and consulting firms in San Diego area. Studies include such topics as labor history, industry analyses, banking, economic inventories of the region and migration patterns.

Seton Hall University
DIVISION OF BUSINESS RESEARCH
South Orange, New Jersey
W.J. Doerflinger, Dean

University of South Carolina
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Columbia 1, South Carolina — Founded 1953
Dr. Olin S. Pugh, Director — Staff: Professional 1, Other 2

Conducts research in various fields of business management. Publication: Business and Economic Review, bimonthly.

State University of South Dakota
BUSINESS RESEARCH BUREAU
Vermillion, South Dakota — Founded 1937
Dr. V. E. Montgomery, Director — Staff: Professional 1, Other 1

Compiles and makes available business and economic data, conducts general economic studies and carries out investigations under the sponsorship of trade groups and government agencies. Recent efforts have centered on regional income analysis, interstate rail shipments and specific industry surveys. Publication: South Dakota Business Review, quarterly.

Southern Illinois University
BUSINESS RESEARCH BUREAU
Carbondale, Illinois — Founded 1958
Dr. Henry J. Rehm — Staff: Professional 1, Other 1

Research efforts in the fields of business and economic activity are contemplated. Publication: Business Bulletin, quarterly.

Southern Illinois University
SMALL BUSINESS INSTITUTE
Carbondale, Illinois — Founded 1955
R. Ralph Bedwell, Director — Staff: Professional 2, Other 1

Research and service activities conducted to serve specific business needs in the state. Areas of study include the causes of small business failures or successes, individual consulting with small businesses on particular managerial problems and sponsorship of special training programs and workshops in such fields as sales management. Conducts programs in cooperation with chambers of commerce and other business groups such as the Illinois Retail Hardware Association or the Illinois Lumber and Material Dealers Association.

Temple University
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
Philadelphia 22, Pennsylvania — Founded 1949
Dr. John F. Adams, Director — Staff: Professional 3

Conducts pure and applied research programs for business, industry, labor organizations, government and public agencies on contract or grant basis and undertakes pure research activities in fields of special interest. Recent studies included a survey of New Jersey auto accident experience-1955, including estimates of cost experience under various insurance hypotheses. Experience rating in unemployment compensation for Pennsylvania. Population Projections for Bucks County, including economic base study of the area. Sponsors conferences on such topics as problems of employment, older worker problems, etc. Publication: Economics and Business Bulletin, quarterly.

Temple University
MANAGEMENT SERVICES
Cheltenham & Sedgwich
Philadelphia 50, Pennsylvania — Founded 1947
Harvey A. Stackman, Director — Staff: Prof. 17, Other 8

Conducts research in business and industrial organization and management development, adult learning methods, creative thinking, industrial parks and regional redevelopment, newspaper circulation problems, and problems of executive transition. Sponsors more than 65 seminars and conferences on management and business problems each year.

University of Tennessee
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
9 Glocker Business Administration
Knoxville, Tennessee — Founded 1937
Dr. Charles P. White, Director — Staff: Professional 4, Other 1

Carries out continuing economic studies of the state, its population and personal income by counties. Special research projects for municipalities, counties, organizations, and state agencies are conducted. Acts as a service center in answering questions related to regional commercial and economic activity. Publication: Tennessee Business, quarterly.

Agricultural and Mechanical College of Texas
TEXAS TRANSPORTATION INSTITUTE
Highway Research Center Building
College Station, Texas — Founded 1950
Fred J. Benson, Executive Officer — Staff: Prof. 35, Other 43

Efforts (conducted in cooperation with the Texas Highway Department)have centered upon highway economics research, structural research, and research in the general area of highway engineering. A primary objective of the program is to lead to a better understanding of the relationship between transportation and other factors affecting the regional economy. Sponsors a Highway Short Course, Annual Conference on Transportation, and adult education programs.

Texas Christian University
BUREAU OF BUSINESS RESEARCH
Box 188 - TCU Station
Fort Worth 29, Texas — Founded 1952
Dr. A.F. Murph, Chrm. of Comm. — Staff: Professional 1, Other 1

Encourages and sponsors faculty research which is later published. Sponsored research for private organizations is also carried on. Publication: Fort Worth Business Review, monthly.

University of Texas
BUREAU OF BUSINESS RESEARCH
Austin 12, Texas — Founded 1926
Dr. John R. Stockton, Director — Staff: Prof. 14, Other 12

Compiles and analyzes economic data concerning Texas. Issues monthly reports and special studies concerning the economy of the state. Performs special contract research for state and federal agencies. Maintains an extensive business library on regional and national economic activity. Issues many monographs, special studies, bibliographies, maps, directories, etc., based upon research activities. Publication: Texas Business Review, monthly.

Tufts University
INSTITUTE FOR ECONOMIC RESEARCH
Medford 55, Massachusetts — Founded 1955
Dr. Harry B. Ernst, Director — Staff: Professional 3, Other 2

Conducts original research in measuring and forecasting industrial production, stock and bond prices, and sales forecasting for chain supermarkets. Research results are published in journal articles.

University of Utah
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
Annex Building - Room 215
Salt Lake City 12, Utah — Founded 1932
Prof. Osmond L. Harline, Director — Staff: Professional 4, Other 3

Basic functions include: Provides current business information about the economy of Utah, makes special reports on regional industries, develops comprehensive analyses of Utah's natural resources, conducts confidential studies for private businesses, governmental units, and trade associations, and provides facilities for faculty and graduate student research. Publications: Utah Construction Report, monthly, Utah Economic and Business Review, monthly.

Vanderbilt University
INSTITUTE IN ECONOMIC DEVELOPMENT
Building 13, Campus
Nashville, Tennessee
Prof. Reynold Carlson, Director

Washington State University
BUREAU OF ECONOMIC AND BUSINESS RESEARCH
Pullman, Washington — Founded 1941
Dr. John A. Guthrie, Director — Staff: Professional 3, Other 1

Major efforts center on special investigations of economic problems of business groups and organizations in the Northwest. Assists businessmen in solving individual business problems. Gathers and analyzes statistical data and encourages pursuit of fundamental research in economic theory and business developments. Data and research results are published in a monograph series.

University of Washington
BUREAU OF BUSINESS RESEARCH
Seattle 5, Washington — Founded 1941
Dr. Warren W. Etcheson, Director — Staff: Professional 1, Other 4

Conducts business, industrial, and economic research. Carries on industrial research, community research, statistical work of compiling indexes of business activity and contract research into all phases of business for individual firms, commercial organizations and public agencies. Sponsors seminars and executive development programs. Publication: Business Review, monthly.

University of Washington
INSTITUTE FOR ECONOMIC RESEARCH
329 Savery Hall
Seattle 5, Washington — Founded 1959
Dr. Douglass C. North, Act. Director — Staff: Professional 2, Other 2

Recently established in order to encourage and further pure research studies in economics.

Western Reserve University
BUREAU OF BUSINESS RESEARCH
Cleveland 6, Ohio — Founded 1947
Dr. Kenneth Lawyer, Director — Staff: Professional 2, Other 3

Conducts sponsored research in the principal area of business activity. Recent efforts have centered upon consumer analyses, market potentials, product acceptance, sales training procedures, dealer relations, advertising effectiveness, patronage motivation, media evaluation and community trade surveys.

West Virginia University
BUREAU OF BUSINESS RESEARCH
Morgantown, West Virginia — Founded 1949
Dr. James H. Thompson, Director — Staff: Professional 1, Other 1

Research centers on business and economic problems of the state. Maintains files of current economic data, answers inquiries, and assists faculty and students in their independent research. Research results are issued in the form of monographs. Develops and sponsors special meetings and conferences. Publication: Business and Economic Studies, irregular.

College of William and Mary
BUREAU OF BUSINESS AND STATISTICAL RESEARCH
Norfolk 8, Virginia
John R. Tabb, Director — Founded 1956

Research activities include a contract with the Navy Department for the statistical analysis of weather data. Studies of industry feasibility, business location, trading area, and other special projects sponsored by public and private agencies. Counsel and other services to public and quasi-public agencies and commissions.

University of Wisconsin
BUREAU OF BUSINESS RESEARCH AND SERVICE
301A Commerce Building
Madison 6, Wisconsin — Founded 1945
Dr. W.D. Knight, Director — Staff: Professional 1, Other 2

Conducts research and services related to the economic development of the state, its regions and industries, and in order to develop systematic procedures for the improvement of business practices in such management fields as marketing, personnel and finance. Research results are published in monograph form. Publications: Wisconsin Commerce Reports, irregular, Wisconsin Commerce Studies, irregular, Wisconsin Commerce Papers, irregular.

University of Wyoming
DIVISION OF BUSINESS AND ECONOMIC RESEARCH
Laramie, Wyoming — Founded 1955
Dr. Floyd K. Harmston, Director — Staff: Professional 2, Other 3

Conducts research in various fields of commercial and economic activity. Recent efforts centered upon basic economic analyses, taxation problems, small business, sales clerk efficiency and the development of basic economic information on the region. Publication: Wyoming Trade Winds, quarterly.

Yale University
COWLES FOUNDATION FOR RESEARCH IN ECONOMICS
Box 2125 - Yale Station
New Haven, Connecticut — Founded 1955*
Dr. James Tobin, Director — Staff: Professional 1, Other 5

Encourages and conducts research in economics, finance, commerce, industry and technology. Seeks to foster the development of logical, mathematical and statistical methods in economic analysis. Recent study areas include a) theory of organization and communication in teams, b) reformulation of mathematical theory of general equilibrium, c) theory of capital and growth, d) methods of forecasting economic activity, e) economic behavior of households, f) activity analysis and production programming, g) statistical methods for analysis of survey data and time series, h) decision making under uncertainty. Maintains special library in quantitative economics and related fields. Publishes a monograph series and a series of technical research papers. Seminar series during academic year with frequent visiting scholar lecturers. Publication: Report of Research Activities, biennial. *The Cowles Foundation has, since 1955, carried on the research activities of the Cowles Commission for Research in Economics which was founded in 1932.

Yale University
BUREAU OF HIGHWAY TRAFFIC
Strathcona Hall
New Haven, Connecticut — Founded 1926
Fred W. Hurd, Director — Staff: Professional 3, Other 3

Research supported principally by outside grants. It is conducted by staff members in various areas of highway traffic and traffic engineering. Technical reports embodying research findings are issued from time to time. A one year program in highway traffic engineering for graduate engineers is carried on. Occasional seminars and conferences in traffic engineering.

SECTION 5—LABOR & INDUSTRIAL RELATIONS

California Institute of Technology
INDUSTRIAL RELATIONS SECTION
Pasadena, California — Founded 1939
Robert D. Gray, Director — Staff: Professional 5, Other 5

Maintains reference library on industrial relations; offers a variety of programs for developing individuals in line and staff management; does considerable work on employee opinion polls; publishes material arising out of research and other activities, and devotes continuing attention to employee benefits through its Benefits and Insurance Research Center. Holds evening meetings, one-week conferences, and special conferences in fields of supervisory and management development and in personnel administration.

University of California
INSTITUTE OF INDUSTRIAL RELATIONS
201 California Hall
Berkeley 4, California
Dr. Arthur M. Ross, Director — Founded 1945

Investigations are conducted in seven fields: labor-management relations, wages, economic security programs, the labor market, the labor movement, industrial psychology and sociology, and management sciences. Results are issued in books, monographs and pamphlets. Maintains an extensive specialized library. Sponsors conferences, seminars, special programs discussion groups and public lectures designed to promote consideration of industrial relations developments.

University of California
INSTITUTE OF INDUSTRIAL RELATIONS
Business Administration-Economics Building
405 Hilgard Avenue
Los Angeles 24, California — Founded 1946
Dr. George H. Hildebrand, Director — Staff: Professional 7, Other 8

Studies all areas connected with industrial relations. Findings are published in the form of books, monographs, popular pamphlets, and reprints of articles by staff members. Community service programs for labor, management, and the general public are conducted. Seminars and conferences dealing with labor topics are held from time to time.

University of Chicago
INDUSTRIAL RELATIONS CENTER
1225 East 60th Street
Chicago 37, Illinois — Founded 1945
Dr. Robert K. Burns, Exec. Officer — Staff: Professional 38, Other 15

Conducts a 4-phase program-diagnosis of organizational problems and needs, development of special programs for management and organization improvement, research into any problems in the labor management field and dissemination of research findings through publications and programs. Maintains the A.G. Bush Library, an audio laboratory, a visual aids laboratory and a statistical laboratory. Sponsors the Executive Seminar, workshops and informational conferences, a management development seminar (in Chicago and in Estes Park, Colorado) and an education-industry program. Publication: Issues and Ideas, monthly.

University of Connecticut
LABOR-MANAGEMENT INSTITUTE
Storrs, Connecticut — Founded 1946
Siegmar F. Blamberg, Jr., Act. Director — Staff: Professional 3, Other 2

Conducts surveys of state and municipal employer-employee relations and sponsors labor-conferences, seminars, schools, classes and workshops on the subject of labor education and labor relations.

Cornell University
OFFICE OF RESEARCH AND PUBLICATIONS
New York State School of Industrial and Labor Relations
Ithaca, New York — Founded 1944
Dr. Leonard P. Adams, Director — Staff: Prof. 70, Other 58

Conducts basic and applied studies in the field of industrial and labor relations. Publications: Industrial and Labor Relations Review, quarterly, ILR Research, 3 issues annually, Studies in Industrial and Labor Relations, irregular.

Detroit Institute of Technology
INDUSTRIAL RELATIONS CENTER
131 East Adams Avenue
Detroit 26, Michigan — Founded 1958
William R.D. Martin, Director — Staff: Professional 1, Other 1

Undertakes research and education in industrial relations, business organization and management and labor-management relations. Pursues a four-phase program concerning diagnosis of organization problems and needs; development of programs for management and organization improvement; discovery of new concepts through research on key problems; and dissemination of research findings, programs and materials. Publication: Management Development Programs, quarterly.

University of Hawaii
INDUSTRIAL RELATIONS CENTER
Honolulu 14, Hawaii — Founded 1948
Dr. Harold S. Roberts, Director — Staff: Professional 1

Conducts studies and issues reports in the various fields of industrial management and labor relations.

University of Illinois
INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS
704 South Sixth Street
Champaign, Illinois — Founded 1946
Martin Wagner, Director — Staff: Professional 22, Other 10

Conducts extensive interdisciplinary (economics, political science, psychology, sociology, law) research in all phases of labor and industrial relations. Maintains special library related to areas of research interest. Issues monographs and reprints based on research activities. Conducts special classes, institutes and conferences ranging in duration from one day to two weeks.

State University of Iowa
BUREAU OF LABOR AND MANAGEMENT
303 North Capitol
Iowa City, Iowa — Founded 1950
Dr. Jack F. Culley, Director — Staff: Professional 6, Other 2

Conducts a continuous program of industrial relations research and acts as a clearing house of information on questions of interest to state labor and management groups. Sponsors a management education program, a labor education program and conferences, institutes and short courses related to labor-management problems. Publication: Research, Conference, Reprint and Information Series, irregular.

Loyola University
INSTITUTE OF SOCIAL AND INDUSTRIAL RELATIONS
820 N. Michigan Avenue
Chicago 11, Illinois — Founded 1941
Rev. Ralph A. Gallagher, S.J., Director — Staff: Professional 5, Other 4

Conducts research in American unionism - philosophy, principles, goals, in the political, social and economic factors which affect union development, and in the specific problems of labor management relations such as union attitudes toward profitsharing and the sociological and psychological difficulties of collective bargaining.

Massachusetts Institute of Technology
INDUSTRIAL RELATIONS SECTION
Department of Economics and Social Science
50 Memorial Drive
Cambridge 29, Massachusetts — Founded 1937
Prof. Charles A. Myers, Director — Staff: Professional 12, Other 4

Sponsors a wide range of faculty research in all areas of labor management relations. Recent studies centered on factors in economic growth, the incident process as a refinement of the case study teaching method, company personnel policies and international labor problems. A special library is maintained related to the program.

Michigan State University
LABOR AND INDUSTRIAL RELATIONS CENTER
37 Kellogg Center
East Lansing, Michigan — Founded 1956
Dr. Jack Stieber, Director — Staff: Professional 2, Other 1

Initiates and conducts a coordinated program of research in interdisciplinary approaches to labor problems. Projects fall in the broad areas of economic, social and technological effects of technological advances, labor laws and their operation, labor-management relations, wage and salary determination, personnel practices, union administration and policies, and history of the labor movement. A special library related to the Center's interests is maintained. Sponsors staff seminars on research in progress and an annual lecture series. Publications: Labor and Industrial Relations Center Research, irregular, Reprint Series, biennial.

University of Michigan
BUREAU OF INDUSTRIAL RELATIONS
School of Business Administration
Ann Arbor, Michigan — Founded 1935
Dr. G.S. Odiorne, Director — Staff: Professional 7, Other 3

Studies means of promoting productivity, morale and satisfaction of members of business organizations and collective bargaining and union contract administration from the employer's point of view. Activities include publication of research findings, maintenance of a special library of 4,500 volumes and 40,000 pamphlets in the field of industrial relations and sponsorship of special programs. Conferences, institutes, short courses and research seminars are offered at Ann Arbor and at other locations in the state. Publications: Addresses on Industrial Relations, annual, Reports, irregular, Bulletins, irregular.

University of Michigan
INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS
Hutchins Hall
Ann Arbor, Michigan — Founded 1957
Russell A. Smith, Co-Director — Staff: Professional 1, Other 4

Conducts studies in areas such as employment, supervision, labor structures, bargaining patterns, legal aspects of labor relations, effects of automation, retirement adjustments, etc. Research results are issued in monographs and journal articles. The Division of Labor Education and Services sponsors continuing classes, conferences and institutes from time to time. Jointly sponsored with Wayne State University.

University of Minnesota
INDUSTRIAL RELATIONS CENTER
Minneapolis 14, Minnesota — Founded 1945
Dr. Herbert G. Heneman, Jr., Act. Dir. — Staff: Professional 11, Other 7

Research efforts are organized within the program of a laboratory structure of the following components: triple audit and basic research laboratory—recent efforts focused on the construction of occupational norm patterns; vocational rehabilitation laboratory – studies of identification and measurement of work adjustment factors; management development laboratory – efforts on analysis and classification of management posts, identification of manager potential, methods of management appraisal; labor market laboratory; professional students laboratory, and the union studies laboratory. Research results are issued in bulletins, research and technical series reports and reprints. Sponsors the following annual conferences: Northern Minnesota Conference on Industrial Relations; Southern Minnesota Conference on Industrial Relations; Upper Midwest Conference on Industrial Relations; Labor Conference. Special seminars on current topics are also scheduled.

New York University
INSTITUTE OF LABOR RELATIONS AND SOCIAL SECURITY
Washington Square
New York 3, New York
Emanual Stein, Exec. Director — Founded 1948

Conducts research on a variety of problems of current interest in industrial relations, e.g., economics of rehabilitation of disabled persons and problems of leadership. Sponsors annual conferences and occasional special meetings.

New York University
RESEARCH CENTER FOR INDUSTRIAL BEHAVIOR
University Heights
New York 53, New York — Founded 1958
Prof. Raymond A. Katzell, Director — Staff: Professional 2

Conducts research utilizing theories, principles and methods of behavioral sciences to contribute to understanding of human behavior and performance in industrial, military and governmental organizations.

University of Pennsylvania
INDUSTRIAL RESEARCH UNIT
3440 Walnut Street
Philadelphia 4, Pennsylvania — Founded 1922
Prof. Gladys L. Palmer, Director — Staff: Professional 3, Other 2

Recent areas of research activity have been concerned with problems of labor mobility and attitudes of workers toward job changing and work careers.

University of Pennsylvania
PENSION RESEARCH COUNCIL
3620 Locust Street
Philadelphia 4, Pennsylvania
Dr. Dan Mc Gill, Research Director — Founded 1952

Research centers on pension and retirement problems. Recent published studies have been Fundamentals of Private Pensions, Positive Experiences in Retirement, Social Aspects of Retirement and Concepts of Actuarial Soundness in Pension Plans.

Princeton University
INDUSTRIAL RELATIONS SECTION
P. O. Box 248
Princeton, New Jersey — Founded 1922
Prof. Frederick Harbison, Director — Staff: Professional 8, Other 4

Study centers principally in the following fields: 1. Research on management organization and development in the United States -- particularly scientific and engineering personnel. 2. Wage and salary structures in the United States. 3. Comparative studies of labor and management in foreign countries. 4. Studies of manpower requirements in economic development. Maintains special Industrial Relations Library to support research efforts. Sponsors, annual invitational management conference. Publications: Research Reports, irregular, Bibliographical series, bimonthly.

University of Puerto Rico
LABOR RELATIONS INSTITUTE
Rio Piedras, Puerto Rico — Founded 1950
Alfredo Nazario, Director — Staff: Professional 6, Other 3

Undertakes research in order to produce published materials in the field of labor economics and labor relations. Areas of concern include union organization, labor legislation, social security, collective bargaining, labor economics, etc. Sponsors in-service training programs for government officials and trade union officers.

Purdue University
OCCUPATIONAL RESEARCH CENTER
West Lafayette, Indiana — Founded 1942
Dr. Joseph Tiffin — Staff: Professional 5, Other 2

Conducts a program of personnel test development, industrial personnel research, employee opinion (morale) surveys, job evolution methods research, training methods research, and job analysis research.

Queen's University
DEPARTMENT OF INDUSTRIAL RELATIONS
Kingston, Ontario, Canada — Founded 1937
Prof. James C. Cameron — Staff: Professional 3, Other 2

Collects data respecting policies, programmes and experience in employer-employee relations, keeps the material up-to-date and classifies it so that it is readily available to students, employers, labor organizations and governments; collects current information in the industrial and social security fields; prepares reports on subjects of interest and holds conferences and short courses for business executives, personnel managers, industrial relations managers and labor leaders. Combines the work of a library, a clearing house of information and a research bureau. Publication: Bulletins, irregular.

Rensselaer Polytechnic Institute
PERSONNEL TESTING LABORATORY
45 Maple Avenue
Troy, New York
Dr. Howard J. Douglass, Director — Founded 1944

Conducts research in the development of psychological tests and self appraisal techniques for the following personnel groups: executives and managers, engineers, and scientists, sales and sales managers, manufacturing or production supervisors, and skilled tradesmen. Administers personnel evaluation programs for business, industry and governmental sponsors. Sponsors two-day personnel testing institutes at various times throughout the year to acquaint administrative personnel with psychological appraisal programs. Two-week workshop programs are hend to train individuals in the administration of these appraisal methods.

Rutgers-The State University
INSTITUTE OF MANAGEMENT AND LABOR RELATIONS
Winants Hall
New Brunswick, New Jersey — Founded 1947
Dr. Jack Chernick, Chairman — Staff: Professional 2, Other 1

Pursues research in various aspects of industrial relations with particular emphasis upon the problems of labor relations, trade unionism and management organization in New Jersey. Sponsors research seminars.

San Diego State College
INSTITUTE OF LABOR ECONOMICS
San Diego 3, California — Founded 1955
Frederick L.Ryan, Director — Staff: Professional 3, Other 2

Research studies in two main fields: area studies the trade union movement in San Diego and economic growth as it affects organized labor and employment conditions; comparative labor movements-concentrating upon United States-Mexican and Central American countries, labor relationships. Reports based on research are published and a library of current publications on labor problems is maintained.

Southern Illinois University
LABOR INSTITUTE
Carbondale, Illinois
John M. McDermott, Director — Founded 1956

Conducts a program of research in all the fields of labor and personnel management.

Stanford University
DIVISION OF INDUSTRIAL RELATIONS
Graduate School of Business
Stanford, California — Founded 1934
Dr. Dale Yoder, Director — Staff: Professional 3

Conducts program of studies in the broad area of manpower management and employment relationships including the fields of labor relations, personnel management and labor economics.

University of Utah
INSTITUTE OF INDUSTRIAL RELATIONS
Annex 230 - University of Utah
Salt Lake City 12, Utah
Prof. Grant R. Holt, Dr. Reed C. Richardson — Co-Directors — Founded 1950

Conducts research efforts related to labor and personnel problems. Recent studies have centered on geographical and industry composition of organized labor in Utah, establishment of labor research archive for historical records on regional unionism, history of organized labor in Utah and establishment of area consumer's price index. Maintains a library and reference center. Sponsors educational institutes, development programs and special programs.

Wayne State University
INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS
Student Center Building
Detroit 2, Michigan — Founded 1957
Ronald W. Haughton, Co-Director — Staff: Professional 1, Other 4

Conducts studies in areas such as employment, supervision, labor structures, bargaining patterns, legal aspects of labor relations, effects of automation, retirement adjustments, etc. Research results are issued in monographs and journal articles. The Division of Labor Education and Services sponsors continuing classes, conferences and institutes from time to time. Jointly sponsored with University of Michigan

University of Wisconsin
INDUSTRIAL RELATIONS RESEARCH CENTER
Sterling Hall
Madison, Wisconsin
Dr. L.Reed Tripp, Director — Founded 1947

Provides laboratory research facilities and a special library as basis of faculty research efforts in the labor and management fields. Sponsors conferences and seminars in industrial relations.

Yale University
LABOR AND MANAGEMENT CENTER
333 Cedar Street
New Haven, Connecticut — Founded 1944
E. Wright Bakke, Director — Staff: Professional 3, Other 1

Conducts research on organizational behavior. Sponsors library and services to students, management, labor leaders and citizens in the general area of industrial relations.

SECTION 6—GOVERNMENT AFFAIRS

University of Alabama
BUREAU OF PUBLIC ADMINISTRATION
University, Alabama — Founded 1939
Robert B. Highsaw, Director — Staff: Professional 4, Other 2

Activities include service as a depository and clearing house for data related to government in Alabama and the south; provision of a consulting service for governmental officials and agencies and for interested private individuals and agencies; conduct of special studies and surveys at the request of agencies and authorities; independent research into problems of government administration and public affairs; a limited program of pre-entry and in-service training for public service; and the dissemination of information on governmental affairs.

Arizona State University
BUREAU OF GOVERNMENT RESEARCH
Tempe, Arizona
Dr. Ross R.Rice, Acting Director — Founded 1959

Maintains library of documents and materials in state and local government; clearing house for governmental agencies; research studies in state and local government (by request of agencies or on bureau initiative); training center for students, especially at graduate level. Publications: Public Affairs Series, irregular, Research Monographs, irregular.

University of Arkansas
BUREAU OF STATE AND LOCAL GOVERNMENT
Fayetteville, Arkansas
Henry M. Alexander, Assoc. Director

University of Arkansas
CITY PLANNING DIVISION
I.S.T. Building
Fayetteville, Arkansas — Founded 1950
Prof. William S. Bonner — Staff: Professional 6, Other 3

Provides information, research and direct consulting assistance in urban planning to cities, counties, and regional planning agencies. Co-sponsors annual two week summer institute on urban planning.

Boston University
BUREAU OF PUBLIC ADMINISTRATION
236 Bay State Road
Boston 15, Massachusetts — Founded 1947
Lashley G. Harvey, Director — Staff: Professional 1

Conducts research work on contract assignment in any of the fields of local and state government. Publication: Massachusetts Municipal Manual, annual.

Bowdoin College
BUREAU FOR RESEARCH IN MUNICIPAL GOVERNMENT
Hubbard Hall
Brunswick, Maine — Founded 1914
James Wilson, Director — Staff: Professional 1

The research programs are, as much as possible, integrated with courses offered by the Department of Government and Legal Studies. However, research activities are carried on independently by the bureau at the local and state levels. Also offers consultant services for municipal and state agencies and special library facilities in the field of local government. Publication: Municipal Research Series of the Bowdoin College Bulletin, irregular.

University of Buffalo
INSTITUTE OF URBAN PROBLEMS
Buffalo 14, New York
Dr. Forest G. Hill — Founded 1958

An informal faculty group in economics, history, government, geography, sociology, law, business administration, and engineering which is available for conducting research projects and surveys dealing with problems of metropolitan areas and smaller urban areas.

University of California
BUREAU OF GOVERNMENTAL RESEARCH
46 Library
Los Angeles, California
Winston Crouch, Director

Conducts a program of organized research and service. Included is a program of urban studies, a program of public policy studies and a large collection of materials related to governmental administration and public affairs.

University of California
BUREAU OF PUBLIC ADMINISTRATION
Room 348 - Library Annex
Berkeley 4, California — Founded 1920
Prof. Dwight Waldo, Director — Staff: Professional 13, Other 7

Conducts long-term research on state and local governmental problems in California, sometimes conducted with cooperation, collaboration, or assistance from other University departments, bureaus, institutes, or individual faculty; prepares factual reports for the regular sessions of the California Legislature and for Legislative Interim Committees. Prepares papers for conferences and institutes. Maintains comprehensive library of periodical pamphlets and documents in the subject fields touching upon public administration in its broad applications. Held the Conference on the Research Function of University Bureaus and Institutes for Government-Related Research in August, 1959. Publications: California Public Survey, monthly, Bureau of Public Administration Library Accessions List, bimonthly.

University of California
INSTITUTE OF INTERNATIONAL STUDIES
Berkeley, California
Dr. Paul S. Taylor, Chairman — Founded 1955

Supports faculty interests in research and facilitates an interdisciplinary approach to international problems. Initiates and coordinates projects and serves as a central clearinghouse for information in international studies at the university.

University of California
INTERNATIONAL URBAN RESEARCH
2234 Piedmont Avenue
Berkeley 4, California — Founded 1957
Dr. Kingsley Davis — Staff: Professional 3, Other 2

Conducts research and training on urbanization throughout the world. Collects and standardizes basic data about the earth's cities and metropolitan areas of 100,000 or more inhabitants. Brings information from different cultures and regions to bear on particular features of urbanization. In addition to its own research, seeks to improve and diffuse the methods and techniques of investigation. Sponsors seminar programs related to research efforts.

University of California
INSTITUTE OF INTERNATIONAL AND FOREIGN STUDIES
Royce Hall 250
Los Angeles 24, California
Dr. Robert G. Neumann, Director Founded 1958

Designed to promote development of interdepartmental area programs and to act as coordinating agency between Latin American Studies Center, Near East Studies Center, Russian and East European Studies Center, and a Special Program in African Studies, all of which are separate administrative units but are closely affiliated with the Institute. Other activities include facilitation of international student and faculty exchange, promotion of university-sponsored public conferences dealing with international problems, planning of university hospitality to distinguished foreign visitors, and liaison with diplomatic and consular representatives.

University of Chicago
CENTER FOR PROGRAMS IN GOVERNMENT ADMINISTRATION
64 East Lake Street
Chicago 1, Illinois Founded 1954
Dr. Bernard J. James, Director Staff: Professional 3, Other 1

Conducts studies in such fields as definition and measurement of components of administrative performance, effectiveness of training programs for Federal administrators and the characterists of the Federal administrators. Seeks to develop experimental executive training methods, reviews problems in cross-cultural administration. Also sponsors educational programs for public administrators.

University of Chicago
CENTER FOR THE STUDY OF AMERICAN FOREIGN & MILITARY POLICY
1126 East 59th Street
Chicago 37, Illinois Founded 1950
Prof. Hans J. Morgenthau, Director Staff: Professional 5, Other 1

Conducts research studies on American foreign policy and issues research-based publications. Maintains clipping file of periodical literature on foreign policy issues.

University of Chicago
COMMITTEE FOR THE COMPARATIVE STUDY OF NEW NATIONS
Chicago 37, Illinois
Dr. Edward Shils, Chairman Founded 1960

Recently established in order to conduct research in the area of comparative studies of new nations. It is hoped that the work will lead to some general theoretical formulations on the problems of new nations rather than a series of regional studies.

City College of New York
INSTITUTE FOR COMMUNITY RESEARCH AND DEVELOPMENT
139th Street and Convent Avenue
New York 31, New York
Prof. Harry Manuel Shulman Founded 1959

Currently planning an action research local community program of physical rehabilitation in the college area.

Claremont Men's College
INSTITUTE FOR STUDIES IN FEDERALISM
Pitzer Hall
Claremont, California
Dr. George C.S. Benson Founded 1958

Conducts research on economic, organizational, philosophical, and political problems of federal forms of government in the U.S. and abroad. Research results appear in journal articles, addresses and a forthcoming study series.

University of Colorado
BUREAU OF GOVERNMENTAL RESEARCH AND SERVICE
Boulder, Colorado
Leo C. Riethmayer, Director Founded 1960

Bureau newly established. Plans for program and staff are now being developed.

University of Colorado
BUREAU OF STATE AND MUNICIPAL SERVICE
Boulder, Colorado

Provides information, research and other services for state and local governments, including countries, cities and school districts. Conducts conferences for public officials and provides consultants on problems of public affairs.

Columbia University
INSTITUTE OF WAR AND PEACE STUDIES
429 West 117th Street
New York 27, New York Founded 1951
Dr. William T.R. Fox, Director Staff: Professional 5, Other 1

Research has concentrated in three main fields: national security policy, the contribution of the various social sciences to the understanding of international relations and theories of international relations.

University of Connecticut
INSTITUTE OF PUBLIC SERVICE
Storrs, Connecticut Founded 1944
Beldon H. Schaffer, Director Staff: Professional 4, Other 3

Conducts research in problems of state and local government to aid officials and government employees in fulfilling their duties. Research results are published as reports, handbooks and manuals. Provides information service to local governments on organization, procedures and developments. Sponsors on-campus conferences and training programs for tax collectors, town clerks, assessors, municipal finance officers, welfare administrators, governmental accountants and purchasing officers. Conducts off-campus administrative training program comprised of full semester certificate courses in special fields of local government. Publication: Connecticut Government, bi-monthly.

Florida State University
INSTITUTE FOR GOVERNMENTAL RESEARCH
124 Graduate School
Tallahassee, Florida Founded 1947
Penrose B. Jackson, Director Staff: Professional 5, Other 1

Conducts studies on state and local governmental problems, provides consultative services to governmental agencies, publishes special studies in areas of general interest in state and local government. Conducts a Know Your Government program during legislative sessions; organizes training institutes for public officials. Publication: Studies in Government, irregular.

University of Florida
BUREAU OF ARCHITECTURAL AND COMMUNITY RESEARCH
Gainesville, Florida
Dr. Turpin C. Bannister, Director Founded 1949

Conducts projects related to design and construction of buildings, management of building erection, and community planning.

University of Florida
PUBLIC ADMINISTRATION CLEARING SERVICE
Gainesville, Florida — Founded 1947
Dr. Gladys M. Kammerer, Professor — Staff: Professional 1, Other 1

Conducts studies of national, state, or local government under the direction of faculty members in political science. Provides consultant service to state and local government agencies. Conducts in-service training and institutes for various type of government officials and sponsors other lecture and seminar programs on public issues. Publications: Civic Information Series, 3 issues annually, Studies in Public Administration, irregular.

University of Georgia
GEORGIA INSTITUTE OF LAW AND GOVERNMENT
Athens, Georgia — Founded 1953
Dr. Morris W. H. Collins, Jr., Director — Staff: Professional 5, Other 2

Carries on continuous program of research and training activities in the areas of law, government, and public administration. The program encompasses 1) research on a continuing basis to produce a constant flow of instructive, practical publications for various groups of governmental officials and some basic research findings on the law and government; 2) spot survey research to produce compilations of information on city, county, and state governmental practices and procedures; 3) research of a "study" nature, usually undertaken upon special request, to provide a thorough analysis of specified topics for governmental officials; and 4) service research involving the handling of a considerable volume of requests for information on special points of law and government. The Institute also offers consultative assistance to governmental officials and agencies. Sponsors numerous seminars and workshop programs.

Georgetown University
INSTITUTE OF WORLD POLITY
Washington 7, D.C. — Founded 1945
Dr. William V. O'Brien, Chairman — Staff: Professional 1

Engages in systematic research in basic problems of international law and organization emphasizing the study of international conflict and its regulation through a revitalized international law of war. Holds occasional seminars and conferences. Publication: Yearbook of the Institute of World Polity, irregular.

Harvard University
BUREAU FOR RESEARCH IN MUNICIPAL GOVERNMENT
Graduate School of Public Administration
Cambridge, Massachusetts — Founded 1911

Designed to advance research understanding of local government administration and finance, urbanism, and federal, state and local governmental relations.

Harvard University
CENTER FOR INTERNATIONAL AFFAIRS
6 Divinity Avenue
Cambridge 38, Massachusetts — Founded 1957
Prof. Robert R. Bowie, Director — Staff: Professional 5, Other 9

Recent efforts focused on studies of social and economic development, the relation of military technology to foreign affairs, and on the emerging situation and role of Europe. The research is undertaken by the permanent faculty and staff and by research associates invited to the center to pursue a particular area of interest. Various governments send senior officials, in the field of foreign affairs or development, as Fellows of the Center for an academic year.

Harvard University
CENTER FOR URBAN STUDIES
Graduate School of Design
Cambridge, Massachusetts — Founded 1957

Provides a laboratory for research in urban planning and policy.

University of Hawaii
LAND STUDY BUREAU
Honolulu 14, Hawaii — Founded 1957
Frederick K. Nunns, Director — Staff: Professional 8, Other 2

Conducts research efforts related to urban land utilization for the purpose of ascertaining total urban and nonurban land needs.

University of Idaho
BUREAU OF PUBLIC AFFAIRS RESEARCH
Moscow, Idaho
Dr. Robert J. Huckshorn, Director — Founded 1959

Plans a program of research services to state and local government in Idaho and an information exchange with similar bureaus throughout the nation. Areas of interest encompass administration and politics and regional political behavior. Will also serve as an information and spot research service for the municipalities and counties of the state and eventually for the state of Idaho. Sponsors workshop in local government.

University of Illinois
BUREAU OF COMMUNITY PLANNING
1202 W. California Avenue
Urbana, Illinois — Founded 1934
Louis B. Wetmore, Director — Staff: Professional 5, Other 4

Research efforts include basic efforts related to the nature of the community and the region (concerned with analysis of physical, social and economic factors, factors influencing change, studies of public agencies) and surveys and analysis (including the compilation of data in such spheres as population, recreation, planning, economic phenomena). Publication of a report newsletter is contemplated. Sponsors training seminars, short courses and conferences for professional groups, public agencies, etc.

University of Illinois
INSTITUTE OF GOVERNMENT AND PUBLIC AFFAIRS
1209 West Illinois
Urbana, Illinois — Founded 1947
Dr. Gilbert Y. Steiner, Director — Staff: Professional 5, Other 2

Studies are concerned with the character of legislative politics, taxing processes, governmental structure, intergovernmental relations, personnel administration, metropolitan areas and political parties. Serves as a clearing house for collection and dissemination of data for governmental use. Issues publications based upon research and statistical analyses. Sponsors short courses and conferences. Publication: Illinois Government, quarterly.

Indiana University
BUREAU OF GOVERNMENT RESEARCH
Bloomington, Indiana — Founded 1937
Dr. York Willbern, Director — Staff: Professional 5

Conducts studies of governmental problems at the request of public agencies; offers consultation services to public agencies and citizen groups; analyzes problems and processes of government which are related to research interests of staff members of the Bureau. Publication: Indiana Public Affairs Notes, bi-monthly.

State University of Iowa
INSTITUTE OF PUBLIC AFFAIRS
Iowa City, Iowa — Founded 1949
Robert F. Ray, Director — Staff: Professional 5, Other 2

Coordinates university's research and service activities in the area of government; conducts research and issues publications in practical problems of government in Iowa; provides services to municipal, county and state officials; provides speakers and publications to aid schools and citi-

zen groups in citizenship training programs; serves as headquarters for Iowa affiliate of Citizenship Clearing House; assists communities in community improvement programs. Sponsors conferences, seminars and short courses for state and local public officials.

State University of Iowa
IOWA URBAN COMMUNITY RESEARCH CENTER
Macbride Hall
Iowa City, Iowa — Founded 1958
Albert J. Reiss, Jr., Director — Staff: Professional 2

Advises on the community aspects of research on Iowa communities; stimulates research on communities by organizations and groups within the state; pursues a limited number of studies of Iowa communities with special reference to their local history and political and social structure. Maintains files of Iowa communities which provide information for the design of research studies.

Kalamazoo College
BUREAU OF MUNICIPAL RESEARCH
Kalamazoo, Michigan
Elton, W. Ham, Director

University of Kansas
GOVERNMENTAL RESEARCH CENTER
Lawrence, Kansas — Founded 1909
Dr. Ethan P. Allen, Director — Staff: Professional 8, Other 6

Engages in three types of programs: 1) training schools for peace officers, city clerks, city managers, county clerks, and recreation directors. 2)consultation with local units of government on administrative or planning problems. 3) research (theoretical and applied). Research is concentrated on state and local issues. Serves as a focal point for research activities of the members of the Department of Political Science. Publishes research monographs, special reports, citizen pamphlets and a monthly bulletin for laymen on government issues.

University of Kentucky
BUREAU OF COMMUNITY SERVICE
Lexington, Kentucky — Founded 1948
Dr. Willis A. Sutton, Jr.,Exec. Dir. — Staff: Professional 1, Other 1

Assists representative community groups with self-surveys, advises on community organization problems, conducts training institutes for community leaders and community development workers, and carries on limited research program. Publication: Kentucky Community Series, irregular.

University of Kentucky
BUREAU OF GOVERNMENT RESEARCH
Lexington, Kentucky

Conducts research and investigations in the problems of state and local government and publishes studies on these topics. Renders consultative service to agencies and officials of government units and aids civic groups.

Louisiana State University
BUREAU OF PUBLIC ADMINISTRATION
Baton Rouge, Louisiana
Dr. Rene de Visme Williamson, Director — Founded 1936

Conducts research for such organizations as the Louisiana Municipal Association, fulfills requests for information from state and local officials, distributes Bureau publications to state and local officials, provides staff members to act as resource persons at conferences and institutes dealing with public administration, state government, or local government in Louisiana.

University of Maryland
BUREAU OF GOVERNMENTAL RESEARCH
College Park, Maryland
Dr. Franklin L. Burdette, Director — Founded 1947

Engages in research and publication related to local, state, and national government. Maintains a library and serves as a clearing house for information. The Municipal Technical Advisory Service, a division of the Bureau established in 1959, renders specific services on request to cities, towns, and villages in Maryland on projects in such areas as organization and management, engineering and public works, municipal ordinance and charter drafting, and public information. Sponsors seminars and training programs for governmental officials and a lecture series in public affairs. Publication: Studies in Government, irregular.

University of Maryland
FIRE SERVICE EXTENSION DEPARTMENT
P. O. Box 85
College Park, Maryland — Founded 1937
Robert C. Byrus, Director — Staff: Professional 4, Other 3

Conducts developmental work designed to discover better techniques of fire control, improve apparatus and to reduce the degree of loss due to fires. Publication: Fire Service Bulletin, monthly.

Massachusetts Institute of Technology
CENTER FOR INTERNATIONAL STUDIES
50 Memorial Drive
Cambridge 39, Massachusetts — Founded 1952
Dr. Max F. Millikan — Staff: Professional 45, Other 35

Conducts social science research on problems posed by the interaction of developing societies in the world community. Broad fields of interest include the areas of international communication, economic and political development, communist bloc studies and American society and foreign policy research.

Massachusetts Institute of Technology
CENTER FOR URBAN AND REGIONAL STUDIES
Boston, Massachusetts

Conducts studies of the character of the physical environment of the city and of the region, its adequacy in meeting human needs, its processes of transformation and the means by which the processes may be guided effectively.

University of Massachusetts
BUREAU OF GOVERNMENT RESEARCH
Amherst, Massachusetts — Founded 1956
William G. O'Hare, Jr., Director — Staff: Professional 4, Other 2

Conducts research in local and state governmental problems, serves as information clearing house in public administration, furnishes consultation services to governmental agencies and organizes training institutes for public officials. Issues publications based upon this range of activities. Publication: Bureau of Government Research Bulletin, monthly.

Michigan State University
BUREAU OF SOCIAL & POLITICAL RESEARCH
15 Morrill Hall
East Lansing, Michigan — Founded 1957
Dr. Frank A. Pinner, Director — Staff: Professional 5, Other 2

Conducts research designed to advance theory and methods in the study of public policy and decision-making. Recent projects included: voting, judicial behavior, political roles, and attitudes in the area of civil education. Administers a limited amount of field training and research. Publishes research results. Publications: Political Research Studies, irregular, Civic Education Series, irregular.

University of Michigan
COMMITTEE ON RESEARCH PROJECTS-DETROIT AREA STUDY
Sociology Department
Ann Arbor, Michigan — Founded 1952
Dr. Harry P. Sharp — Staff: Professional 1

Conducts an annual sample survey of population in Detroit securing census-type data regularly and special research data of a different character each year. A social profile of Detroit is published each year and other papers and monographs are issued occasionally.

University of Michigan
INSTITUTE OF PUBLIC ADMINISTRATION
1516 Rackham Building
Ann Arbor, Michigan — Founded 1914
Dr. John W. Lederle, Director — Staff: Professional 5, Other 4

The Institute's research and public service unit is the Bureau of Government which carries out a program of continuing study on governmental problems, publishes reports of research findings and serves as an information service on public problems for use by citizen and government bodies. Recent studies have dealt with constitutional revision, state and local tax systems and election provisions of municipal charters. The Bureau library is one of the oldest devoted to governmental affairs in the United States and has more than 41,000 books and periodicals. Program for Research in Population and Human Ecology (sponsored jointly with the Department of Sociology) studies community organization and population problems. A branch office of the Institution is maintained in Lansing for research, service and instructional purposes. Publications: Papers in Public Administration, irregular, Michigan Pamphlets, irregular, Michigan Governmental Studies, irregular.

University of Michigan
METROPOLITAN COMMUNITY RESEARCH PROJECT
Committee on Research Projects
Ann Arbor, Michigan
Dr. A.H. Hawley — Founded 1947

Conducts a range of studies dealing with large city urban problems. Research results are issued as occasional papers and monographs.

University of Minnesota
CENTER FOR INTERNATIONAL RELATIONS AND AREA STUDIES
310 Ford Hall
Minneapolis 14, Minnesota
Prof. Charles H. McLaughlin, Director — Founded 1930

Serves as the administrative center of the university's interdepartmental program. Maintains a small library in the international field. Cooperates with other organizations. Recent efforts included the development of an annotated bibliography on behavioral research in international relations. Sponsors seminars and conferences.

University of Minnesota
MUNICIPAL REFERENCE BUREAU
15 University Library Building
Minneapolis 4, Minnesota — Founded 1913
Orville C. Peterson, Director — Staff: Professional 2, Other 2

Program consists primarily of assisting public officials with information about local government problems and legislation. The Municipal Reference Bureau is the secretariat of the Leage of Minnesota Municipalities and the two operate as one organization. Sponsors convention, regional meetings, and short courses for municipal officials. Publication: Minnesota Municipalities, monthly.

University of Mississippi
BUREAU OF PUBLIC ADMINISTRATION
University, Mississippi — Founded 1945
Dr. Edward H. Hobbs, Director — Staff: Professional 1, Other 1

Functions are 1) to make studies at the requests of public officials, private agencies, and properly interested individuals; 2) to serve as a depository and clearing house for information on state and local governments and on the state's economy and business activities; 3) to provide a consulting service for public officials, business enterprises, private agencies, and properly interested individuals; 4) to cooperate in projects initiated by public and private agencies; 5) to conduct research, on its own initiative, related to Mississippi or this region. Publication: Public Administration Survey, bimonthly.

University of Missouri
BUREAU OF GOVERNMENT RESEARCH
New Business and Public Administration Building
Room 340
Columbia, Missouri — Founded 1957
Martin L. Faust, Act. Director — Staff: Professional 1, Other 1

Assists and encourages staff research efforts. Recent studies centered on the preparation of a continuing comprehensive bibliography of Missouri government, referendum in the state, crime control, annexation procedures and legislative reapportionment.

Montana State University
BUREAU OF GOVERNMENT RESEARCH
Missoula, Montana
Dr. Ellis Waldron, Acting Director — Founded 1956

Coordinates university facilities and resources for conduct of research in the field of state and local government, and for provisional services to governmental groups and civic groups. Cooperates with academic departments in developing programs and activities that prepare and train students for careers in government and in political scholarship. Publishes and disseminates research results. Sponsors institutes and conferences.

University of Nevada
BUREAU OF GOVERNMENTAL RESEARCH
Reno, Nevada
Dr. James S. Roberts, Director — Founded 1959

Program recently begun and in the formative stage. Initial project centered upon local government in the state.

University of New Hampshire
PUBLIC ADMINISTRATION SERVICE
Morrill Hall
Durham, New Hampshire
Dr. John T. Holden, Chairman — Founded 1953

Sponsors an annual institute of public affairs on special governmental problems in the state. In 1960 the topic was "Patterns of Assessing for Local Tax Purposes." Undertakes special research projects including a recent state-wide survey of New Hampshire libraries. Publication: Governmental Series, irregular.

University of New Mexico
DIVISION OF GOVERNMENT RESEARCH
Albuquerque, New Mexico — Founded 1945
Dr. Frederick C. Irion, Director — Staff: Professional 1, Other 1

Conducts studies of federal, state and local problems of government. Focuses upon contemporary subjects and publishes completed research efforts. Areas of intensive analysis have included education, finance and political activity. Publication: Monograph series, irregular.

New York University
CENTER FOR INTERNATIONAL AFFAIRS AND DEVELOPMENT
5 Washington Square North
New York 3, New York — Founded 1958
Dr. Frank N. Trager, Acting Director — Staff: Professional 1, Other 2

Seeks to relate basic theory and research to the planning, operation and evaluation of international development programs and to the impact on cultural systems of different efforts. Cooperates in and coordinates research, teaching and service programs in the international field. Carries out sponsored research projects related to foreign developments.

New York University
WALLACE CLARK CENTER OF INTERNATIONAL MANAGEMENT
6 Washington Square North
New York 3, New York — Founded 1952
Dr. Lincoln H. Clark, Director — Staff: Professional 1, Other 1

Coordinates international management activities of the university. Seeks to aid in industrialization, particularly in the newly developing countries, by research and services. Recent effort has centered upon a 3 year project with ICA-Austrian Productivity Center to aid in the development of the profession of Industrial Engineering in Austria. Arranges special seminars for sponsored visitors from abroad in the fields of management education; retailing; marketing, marketing research, financial and general management, etc. Arranges for individual visitors to meet with faculty, advises on problems of research and itinerary, suggests bibliographical references and persons with whom the visitor should meet while in the United States.

University of North Carolina
BUREAU OF PUBLIC RECORDS COLLECTION AND RESEARCH
202 Caldwell Hall
Chapel Hill, North Carolina — Founded 1956
Prof. William S. Jenkins, Director — Staff: Professional 1

Seeks to build a collection of resources for use in the study of American politics and political institutions related to the behavior of governmental bodies and the political logic of American political organization. Attempts to gather and use state, national and international documents as the tools of research in the interpretation of the structure of American government and history. Conducts research seminars related to documentary use.

University of North Carolina
INSTITUTE OF GOVERNMENT
Box 990
Chapel Hill, North Carolina — Founded 1920
Dr. Albert Coates, Director — Staff: Prof. 23, Other 15

Seeks to coordinate efforts and activities of intergovernmental jurisdictions, to accumulate information related to governmental processes, to organize data relating to governmental functions, to make comparative studies of public administrative performance and to serve as a demonstration laboratory and clearing house of governmental information. Results of these efforts are published in guidebooks, demonstrated, and transmitted to officials, teachers and students. Sponsors training schools for many groups including Wildlife Protectors, Health Directors and Clinicians, Local Government Purchasing Agents, State Highway Patrol, County Accountants, and County Commissioners. Publication: Popular Government, monthly.

Northwestern University
CENTER FOR METROPOLITAN STUDIES
1735 Chicago Avenue
Evanston, Illinois
Dr. Scott Greer, Director — Founded 1953

Studies center on the interdisciplinary consideration of metropolitan society. Recent efforts were on metropolitan governmental reform. Long term interests have included: planning, race relations, educational politics and administration, municipal politics and administration, population differentiation and social organization within metropolitan complexes.

University of Notre Dame
COMMITTEE ON INTERNATIONAL RELATIONS
Notre Dame, Indiana — Founded 1949
Dr. Stephen D. Kertesz, Chairman — Staff: Professional 1

Fosters research and cooperative inquiries in the international fields. Issues publications based upon research results. Major areas of concern relate to the issues of contemporary diplomacy in relation to power structure of various societies.

Dalhousie University
INSTITUTE OF PUBLIC AFFAIRS
Halifax, Nova Scotia, Canada
Guy Henson, Director — Founded 1936

Serves as a center for both intra-mural and extra-mural functions of education, research, publication, conference, and training in public administration and related fields of public interest.

Ohio State University
MERSHON COMMITTEE ON EDUCATION IN NATIONAL SECURITY
1659 North High Street
Columbus 10, Ohio — Founded 1959
Dean Robert J. Nordstrom, Chairman — Staff: Professional 3, Other 5

Program in process of formulation. It will include research projects in the area of national security. It will also include lectures and conferences on the Ohio State campus. A publication program is also envisaged.

University of Oklahoma
BUREAU OF GOVERNMENT RESEARCH
Faculty Exchange
Norman, Oklahoma
H.V. Thornton, Director — Founded 1920

Engages in independent studies some of which are published for distribution. Assists in a research capacity the state legislative council, the governor's office and other agencies of state government. It also assists or advises municipal authorities and civic groups.

University of Oklahoma
OKLAHOMA CENTER OF URBAN AND REGIONAL STUDIES
Norman, Oklahoma — Founded 1945
Leonard M. Logan, Director — Staff: Professional 5, Other 4

Assists local communities with their problems and engages in applied social research. These services relate primarily to rendering aid in community planning and organization. Another function of the institute is to cooperate with other state departments and agencies as well as the various university departments in research projects of mutual interest. Sponsors workshops, clinics and special programs.

Ohio Wesleyan University
BEN A. ARNESON INSTITUTE OF PRACTICAL POLITICS
Delaware, Ohio — Founded 1946
Fred G. Burke — Staff: Professional 1

Seeks to stimulate student training for government service, to stimulate active public participation in party politics, and to contribute through research to the knowledge and skills necessary to the improvement of the political system. Sponsors public symposia and other special programs.

University of Oregon
BUREAU OF MUNICIPAL RESEARCH AND SERVICE
301 Commonwealth Hall
Eugene, Oregon — Founded 1933
Herman Kehrli, Director — Staff: Professional 16, Other 3

Conducts a program of research and service in the local government field. Maintains a reference library and information service for public officials and civic groups. Special studies are conducted in the broader fields of state government, public finance and public law. Cooperates with the League of Oregon Cities in providing a consultation service on problems of local legislation, charter revision, revenue and taxation, etc. Sponsors in service training courses for public officials in cooperation with professional groups.

University of Oregon
INSTITUTE OF INTERNATIONAL STUDIES AND OVERSEAS ADMINISTRATION
102 Commonwealth Hall
Eugene, Oregon
Dr. Raymond F. Mikesell, Acting Dir. — Founded 1958

Develops programs of research, teaching and administration, in cooperation with private and governmental agencies and serves as the center for university studies in international affairs. Sponsors seminars and conferences related to areas of interest.

Park College
GOVERNMENTAL RESEARCH BUREAU
Parkville, Missouri — Founded 1955
Dr. Jerzy Hauptmann, Director — Staff: Professional 1

Serves as a fact finding research agency for the local city administration and other outside organizations and as a workshop for students interested in municipal problems.

Pennsylvania State University
INSTITUTE OF PUBLIC ADMINISTRATION
316 Sparks Building
University Park, Pennsylvania — Founded 1959
Dr. John H. Ferguson, Director — Staff: Professional 4, Other 2

Program consists of research on governmental problems, especially those relating to Pennsylvania state and local governments, consultation services to state and local governments, special in-service training programs, and instruction on public administration. Replaces the earlier Institute of Local Government. Sponsors Annual Finance Officers Workshop and the Institute for Juvenile and Correctional Personnel Training. Publication: Horizons, monthly.

University of Pennsylvania
FELS INSTITUTE OF LOCAL AND STATE GOVERNMENT
39th and Walnut Streets
Philadelphia 4, Pennsylvania — Founded 1937
Dr. Stephen B. Sweeney, Director — Staff: Professional 18, Other 7

Research centers on development and interpretation of public administration theory and practice. Research results are published in monographs and reports. Sponsors numerous conferences and workshops related to state and local administrative problems and offers in-service training programs for public officials. Provides consulting services on issues and problems of governmental administration.

University of Pennsylvania
FOREIGN POLICY RESEARCH INSTITUTE
Room 102-133 South 36th Street
Philadelphia 4, Pennsylvania — Founded 1955
Dr. Robert Strausz-Hupe, Director — Staff: Professional 6, Other 4

Three areas comprise the field of research activity: the world-wide communist movement, the systematic revolution in the under-developed world and the western alliance. Research focuses on the decision-making processes, the difficulties of peacetime alliances and the evolution of international organizations. Research reports appear as monographs and study papers. Publication: Orbis, quarterly.

University of Pennsylvania
INSTITUTE FOR URBAN STUDIES
School of Fine Arts
Philadelphia 4, Pennsylvania
Dr. William L.C. Wheaton, Director — Founded 1952

Conducts basic studies of the urban community, processes of urbanization and applied studies of value to the Philadelphia region. Recent efforts dealt with housing markets, design of open areas, history of town development and social structure of suburban communities.

University of Pittsburgh
INSTITUTE OF LOCAL GOVERNMENT
301 Bruce Hall
Pittsburgh 13, Pennsylvania — Founded 1944
Dr. William G. Willis, Director — Staff: Professional 4, Other 3

Conducts continuing and special studies related to local problems and municipal administration. Issues annually the Survey of Municipal Wage and Salary Programs and The Directory of Pennsylvania Council-Manager Municipalities and Council Managers. Recent special studies included Model Council-Manager Ordinance; Rules, Regulations and Forms for Zoning Boards of Adjustment; Rules, Regulations and Forms for Civil Service Commissions; and A Model Ordinance Regulating and Controlling Openings in Municipal Streets. Sponsors in-service training courses for local officials, conferences covering such subjects as zoning, sub-division control, refuse disposal, pensions and retirement, public works, and planning, and serves as secretariat headquarters for various official area organizations.

University of Pittsburgh
URBAN LAND STUDIES
Pittsburgh 13, Pennsylvania
Dr. Thanis G. Alexander, Director

Princeton University
CENTER OF INTERNATIONAL STUDIES
Princeton, New Jersey — Founded 1951
Prof. Frederick S. Dunn, Director — Staff: Professional 6, Other 4

Furthers research and teaching in international relations. Engages in and publishes studies directed toward the development of systematic, disciplined and comprehensive appraisals of varied aspects of international relations, with special emphasis on American foreign policy. Five areas are intensively studied: national and defense military policy, diplomacy and international politics, foreign economic problems and policies, comparative political processes, and communications research. Publication: World Politics, quarterly.

Princeton University
INTERNATIONAL FINANCE SECTION
Princeton, New Jersey — Founded 1930
Prof. L.V. Chandler, Acting Director — Staff: Professional 2, Other 1

Research centers upon the international financial affairs and policies of the United States. Publishes essays, monographs, reports and books concerned with its field of interest. An important area of recent research attention has been international liquidity. A primary source library, the Benjamin Strong Collection, serves as the bibliographic core of the program. Publications: Essays in International Finance, irregular, Princeton Studies in International Finance, irregular, Special Papers in International Economics, irregular.

Princeton University
STATE AND LOCAL GOVERNMENT SECTION OF THE WOODROW WILSON SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS
4 Pyne Administration Building
Princeton, New Jersey — Founded 1935
Prof. John F. Sly — Staff: Professional 3, Other 5

Conducts studies in state and local government mainly in the fields of taxation, finance and administration. Serves primarily as a staff agency to the governor, legislative commissions and special committees of the state legislature.

University of Puerto Rico
RESEARCH OFFICE OF THE SCHOOL OF PUBLIC ADMINISTRATION
Rio Piedras, Puerto Rico — Founded 1945
Dr. Jorge Morales Yordan, Director — Staff: Professional 3, Other 1

Conducts studies and research on governmental problems and sponsors translations of texts in public administration.

Queen's University
INSTITUTE OF LOCAL GOVERNMENT
Kingston, Ontario, Canada — Founded 1944
K. Grant Crawford, Director — Staff: Professional 2

Develops publications and conducts research studies in the field of Canadian local government. Serves a secretariat of the Municipal Clerks' and Finance Officers' Association of Ontario. Conducts specific studies for various governmental bodies.

Regis College
BUREAU OF SOCIO-ECONOMIC RESEARCH
Weston, Massachusetts — Founded 1955
Dr. J. Laurence Phalan, Director — Staff: Professional 1, Other 1

Research is chiefly in housing markets, and community area development and facilities, for local housing and redevelopment authorities and the Massachusetts Department of Public Works. Also conducts paid studies in these areas, as well as labor market analysis.

Rutgers-The State University
BUREAU OF GOVERNMENT RESEARCH
Winants Hall
New Brunswick, New Jersey — Founded 1950
Dr. Bennett M. Rich, Director — Staff: Professional 3, Other 2

Acts as a public service agency with a dual function. Conducts research and prepares studies dealing with governmental problems of statewide significance. Sponsors and organizes conferences, workshops and courses for public officials. Research results are published as general studies (providing background data on the state and its government), special studies (dealing with specific administrative, legislative and organizational arrangements and problems of the state and local units) and a municipal guide series. Sponsors training sessions and study seminars.

San Diego State College
PUBLIC AFFAIRS RESEARCH INSTITUTE
San Diego 15, California
Dr. Don B. Leiffer, Director — Founded 1957

Engages in research, instructional and community activity. Research is centered in the field of state and local government and public administration. Operating in conjunction with the Institute is the Public Administration Local Government Library. Serves as the secretariat for several organizations in the San Diego area, including the American Society for Public Administration. Publishes reports and monographs based on research. Joint sponsor of the annual San Diego Institute on Government. Conducts short term programs for public officials, teachers and others.

University of Saskatchewan
CENTER FOR COMMUNITY STUDIES
Saskatoon, Saskatchewan, Canada — Founded 1957
W.B. Baker, Director — Staff: Professional 10, Other 7

Conducts a program of consulting and research by studying social and economic change in the cities of the province. Training and consultation activities, as well as research, are carried on by the center.

University of South Carolina
BUREAU OF PUBLIC ADMINISTRATION
Columbia, South Carolina — Founded 1945
Dr. H. B. Mayo, Director — Staff: Professional 2, Other 1

Research centers on state, county, and municipal problems. Issues bulletins intended to aid citizen understanding of governmental processes in the state. Cooperates with governmental agencies and semi-official agencies as the Municipal Association in the analysis of applied governmental problems. Sponsors a continuing program of short courses for municipal finance officers and city attorneys. Publication: University of South Carolina Governmental Review, quarterly.

State University of South Dakota
GOVERNMENTAL RESEARCH BUREAU
Vermillion, South Dakota
Dr. William O. Farber, Director — Founded 1939

Maintains a library of documents and reports related to governmental administration. Handles inquiries and serves as central clearing house on governmental problems. Conducts and sponsors basic and applied studies and offers consulting aid to governmental officials. Research results are issued in monographs and pamphlets. Sponsors annual training program for county and city assessors and assists South Dakota League of Municipalities and South Dakota County Commissioners' Association.

Southern Illinois University
PUBLIC AFFAIRS RESEARCH BUREAU
Carbondale, Illinois
Dr. Orville Alexander, Director — Founded 1951

Conducts a program of research and publication in the fields of local and state government and performs service functions on behalf of local governments in the state, local citizen groups and legislative committees of the Illinois General Assembly which have jurisdiction over problems of local government.

Stanford University
HOOVER INSTITUTION ON WAR, REVOLUTION AND PEACE
Palo Alto, California — Founded 1919
Dare Stark McMullin Research Secretary — Staff: Professional 20

Seeks to preserve and organize for use the world wide materials gathered related to international affairs. The collections include documents, newspapers and personal files. Subjects covered are causes of war, military government, revolution, international organization, propaganda, etc.

Temple University
URBAN RESEARCH CENTER
Philadelphia 22, Pennsylvania
Jacob W. Gruber, Director — Founded 1958

Conducts social analysis of urbanization and its effects on urban organization and behavior. Sponsors occasional seminars for discussion of programs related to the urbanization process. Publication: Occasional Research Reports, irregular.

University of Tennessee
BUREAU OF PUBLIC ADMINISTRATION
Knoxville 16, Tennessee — Founded 1945
Dr. Lee S. Greene, Director — Staff: Professional 1, Other 1

Conducts research analyses related to the needs of state and local officials as well as studies initiated under the Bureau's own sponsorship. Research results are issued in published form. Sponsors annual training institutes for city managers, city finance officers, public works officials, and building inspectors.

University of Tennessee
MUNICIPAL TECHNICAL ADVISORY SERVICE
Box 8260 - University Station
Knoxville, Tennessee — Founded 1949
Victor C. Hobday, Exec. Director — Staff: Professional 8, Other 6

A non-political factfinding agency established to furnish technical assistance to Tennessee municipalities. Promotes studies and research, issues publications, offers consultative and field services in problems relating to fiscal administration, accounting, tax questions, law enforcement, public works and other local matters. Operates in close cooperation with the Tennessee Municipal League.

University of Texas
INSTITUTE OF PUBLIC AFFAIRS
Box 8033 - University Station
Austin 12, Texas — Founded 1913
Lynn F. Anderson, Acting Dir. — Staff: Professional 5, Other 2

Conducts research having significance for government units at the state and local level, publishes studies based upon such research, serves as an information center and offers consultative service on public problems and maintains a research library covering public administration and public affairs. Sponsors annual Governmental Accounting and Finance Institute, Institute for County Auditors, and Institute for Tax Assessors. Publication: Public Affairs Comment, bi-monthly.

University of Utah
INSTITUTE OF GOVERNMENT
Room 252 - Orson Spencer Hall
Salt Lake City 12, Utah
Dr. Roy V. Peel, Director — Founded 1947

Conducts research projects designed to aid in the solution of the state's public administration problems. Maintains a library and reference center. Issues publications based upon research efforts. Sponsors seminars, conferences and lecture series. Publications: Bulletin Series, annually, Research Monographs, irregular.

University of Utah
INSTITUTE OF INTERNATIONAL STUDIES
250 Spencer Hall
Salt Lake City 2, Utah — Founded 1946
Dr. S.Grover Rich,Jr., Director — Staff: Professional 1, Other 1

Supports research activities resulting in publications. Sponsors periodic conferences, lectures and educational conferences on international relations on the campus and elsewhere in the state. The Institute programs three student training programs leading to (a) the undergraduate certificate in International Studies, (b) the graduate certificate, (c) the American Studies certificate. Publication: International Study Papers, irregular.

University of Virginia
BUREAU OF PUBLIC ADMINISTRATION
29 Rotunda
Charlottesville, Virginia — Founded 1931
Dr. Weldon Cooper, Director — Staff: Professional 6, Other 3

Conducts research in the general field of public administration in Virginia related to the practical problems of government at the state, county, and municipal levels, and to inter-governmental relations. Provides consultant and technical advisory services, upon request, to the several departments, agencies, and institutions of the state government, and the counties and municipalities. Provides facilities for training in public administration or government research as careers, and for government employees who wish to improve their knowledge of administrative principles and methods. Sponsors Local Government Officials' Conference (annually), Institute for the Virginia Association of Assessing Officers (annually), and non-regular training programs for government officials. Publication: The University of Virginia News Letter, monthly.

University of Washington
BUREAU OF GOVERNMENTAL RESEARCH AND SERVICES
266 Smith Hall
Seattle 5, Washington — Founded 1934
Dr. Donald H. Webster, Director — Staff: Professional 8, Other 7

Carries on research and information services, consultative and advisory services related to state and local government, with particular emphasis on municipal problems. Provides library reference services and performs teaching and training functions. Sponsors annual summer Institute of Government which is a conference on public problems. Publications: Reports, irregular, Information Bulletins, irregular.

University of Washington
INSTITUTE OF INTERNATIONAL AFFAIRS
Seattle, Washington
Charles E. Martin, Director

West Virginia University
BUREAU FOR GOVERNMENT RESEARCH
Morgantown, West Virginia — Founded 1949
Dr. Carl M. Frasure, Director — Staff: Professional 2, Other 1

Conducts research on problems of state and local government and serves as headquarters for the West Virginia Leage of Municipalities.

University of Wichita
CENTER FOR URBAN STUDIES
Wichita 14, Kansas — Founded 1958
Dr. James K. Sours, Chairman — Staff: Professional 1, Other 1

Conducts applied research in problems of public administration, economic analysis and community analysis with particular reference to the local situation. Maintains extensive library files on Wichita socio-economic characteristics. Sponsors meetings, seminars and short courses in local government administration. Publication: News Brief, bi-monthly.

University of Wisconsin
BUREAU OF GOVERNMENT
404 South Hall
Madison 6, Wisconsin — Founded 1948
Dr. James R. Donoghue, Director — Staff: Professional 6, Other 2

Conducts research on problems of state and local government and serves as a technical consultation service for officials of the region. Issues publications based upon research and conference programs. Sponsors training programs and institutes for public officials.

University of Wisconsin
OFFICE OF COMMUNITY DEVELOPMENT
Madison 5, Wisconsin — Founded 1946
Kenneth E. Rindt, Director — Staff: Professional 1, Other 1

Conducts economic base studies and industrial surveys of communities and areas on request; retail trade area surveys; governmental studies; generalized community surveys for problem identification; leadership studies.

SECTION 7—LEGAL RESEARCH

Boston University
LAW-MEDICINE RESEARCH INSTITUTE
Nine Park Street
Boston 8, Massachusetts — Founded 1958
Prof. William J. Curran, Director — Staff: Professional 5, Other 2

Provides research and service in the medico-legal field. Gathers data on education and research in this field, pursues research directed toward improving the area, works with governmental and private bodies in drafting needed in medical and health legislation. Sponsors Public Lecture Series related to area of interest.

University of California
COMMITTEE FOR INTERNATIONAL LEGAL STUDIES
School of Law
Berkeley 4, California
Frank C. Newman, Chairman — Founded 1955

University of Colorado
ROCKY MOUNTAIN MINERAL LAW FOUNDATION
Fleming Law Building
Boulder, Colorado — Founded 1955
K.E. Barnhill, Jr., Exec. Director — Staff: Professional 2, Other 2

A cooperative project which stimulates research and continuing study in mineral law and its development. In the process of establishing an oil and gas and mineral research center where materials will be available at no charge for use by attorneys and others interested, such material to consist of Foundation publications, unpublished briefs, research papers and memoranda. Sponsors Essay Contest and Scholarship awards for research and original writings in the field of interest. Conducts the Rocky Mountain Mineral Law Institute, a three day Institute on oil, gas and mining law, is held during the latter part of July of each year on the campus of one of the member universities. Jointly sponsored by 9 law schools, 9 bar associations, and 6 trade associations. Publications: Gower Federal Service, revised weekly, Institute Proceedings, annual.

Columbia University
LEGISLATIVE DRAFTING RESEARCH FUND
510 Kent Hall
New York 27, New York — Founded 1911
Prof. John M. Kernochan, Director — Staff: Professional 4, Other 1

"One of the oldest legislative research and drafting organization in the country." Work is addressed to legislative problems of public importance, undertaken chiefly at the request of legislative committees, executive agencies and private civic and other law-improvement organizations. Serves to provide opportunities for laboratory work in the legislative development of the law; the Fund's connection with the Columbia School of Law provides the opportunity for training lawyers interested in the study of legislative processes and in the improvement of legislative research and the drafting of legislation.

Duke University
WORLD RULE OF LAW CENTER
Durham, North Carolina — Founded 1958
Arthur Larson, Director — Staff: Professional 4, Other 2

Conducts legal research in topics relevant to strengthening international law and international judicial and arbitral procedures as a contribution to world peace. It seeks also to develop new kinds of instruction in these areas and to produce appropriate teaching materials.

Emory University
BUREAU OF LEGAL RESEARCH AND SERVICE
Law School
Atlanta 22, Georgia
Thomas W. Christopher, Director — Founded 1952

Serves to encourage and to sponsor research and legal writing, the publication of legal materials and the conduct of institutes, conferences and speeches of interest to legal students and to members of the bar. Publication: Journal of Public Law, semi-annual.

George Washington University
PATENT, TRADEMARK AND COPYRIGHT FOUNDATION
Washington 6, D. C. — Founded 1950
Dr. O.S. Colclough, Director — Staff: Professional 2, Other 4

Gathers and disseminates data concerning the principles, facts and practical operation of the patent, copyright and trademark laws of United States and other countries. Conducts systematic research related to analyses of each of these areas. Research is conducted by a team of investigators comprised of scholars, attorneys and government officials scattered throughout the nation. Conducts seminar and lecture series in conjunction with the University's Law School faculty.

Georgetown University
INSTITUTE FOR INTERNATIONAL AND FOREIGN TRADE LAW
506 E Street Northwest
Washington 1, D.C. — Founded 1957
Dr. Heinrich Kronstein — Staff: Professional 3, Other 1

Conducts studies of comparative, substantive and adjective law on trade regulation; European-American trade law, especially restrictive business practices.

Georgetown University
NUCLEAR SPACE LAW INSTITUTE
Georgetown University Law Center
Washington 1, D. C.
Prof. Henry P. Stetina, Asst. Director — Founded 1959

Recently established, will conduct interdisciplinary studies of local, national and international legal problems arising out of the peaceful and military uses of nuclear energy and the exploration of outer space.

Harvard University
HARVARD STUDENT LEGISLATIVE RESEARCH BUREAU
Langdell Hall
Cambridge 38, Massachusetts
Joseph A. Grimes, Jr., President — Founded 1952

Conducts research and drafts statutes for the federal and state governments. Most projects are done for the states, because the Bureau feels that it can be of more service to them than to the federal government, which has professional research bureaus of its own.

University of Hawaii
LEGISLATIVE REFERENCE BUREAU
Honolulu 14, Hawaii — Founded 1943
Kenneth K. Lau, Acting Director — Staff: Professional 8, Other 4

Furnishes research, bill drafting and reference services to the legislature, governor, executive departments and to a limited extent, to private citizens of the state. Publication: Reports, irregular.

State University of Iowa.
AGRICULTURAL LAW CENTER
College of Law
Iowa City, Iowa — Founded 1954
John C. O'Byrne, Director — Staff: Professional 1, Other 1

Conducts interdisciplinary research in law and economics with particular reference to agriculture. Operates in close cooperation with the Iowa State University of Science and Technology and the United States Department of Agriculture. Sponsors special Institutes and Seminars for lawyers, farmers and technical personnel. Publication: Agricultural Law Center Monographs, irregular.

Manhattan College
INSTITUTE FOR FORENSIC RESEARCH
West 242nd Street & Manhattan College Parkway
New York 71, New York
Brother Augustine Philip, F.S.C., Pres. Founded 1956

Seeks to promote interest in and encourage interdisciplinary research related to the forensic process including not only problems related to the courtroom but also to broader areas of criminal activity such as juvenile delinquency. Sponsors a public forum series on relevant problems.

University of Michigan
LEGAL RESEARCH CENTER
Ann Arbor, Michigan
A.F. Smith, Director

University of Michigan
LEGISLATIVE RESEARCH CENTER
920 Legal Research Building
Ann Arbor, Michigan
Prof. William J. Pierce, Director Founded 1950

Conducts continuing research in statutory or written law as contrasted with judgemade or decision law. Occasional service work is done for state legislative and governmental agencies and professional bodies. Recent work has dealt with state constitutions, but major effort is in the field of current state statutes. Publication: Current Trends in State Legislation, irregular.

New York University
COMPARATIVE CRIMINAL LAW PROJECT
Vanderbilt Hall
New York 3, New York Founded 1958
Prof. Gerhard O.W. Mueller Staff: Professional 1, Other 1

Conducts program of inter-change and publication based upon research efforts, of knowledge in criminal law and criminology between the United States and foreign countries. Publishes English translations of foreign penal codes. Sponsors seminars and faculty exchanges.

New York University
FOOD LAW INSTITUTE
40 Washington Square South
New York 3, New York Founded 1949
Stanley M. Grossman, Director Staff: Professional 1, Other 1

Program consists of lectures, and seminars in the law of foods, drugs and cosmetics and products liability. Fellows engage in intensified activitiy in trade regulation including preparation of research thesis. The Food Law Program at New York University is the primary center of the education and research operations of the Food Law Institute, Inc., whose central headquarters is maintained at 608 Fifth Avenue in New York City. Publication: Food, Drug, Cosmetic Law Journal, monthly.

New York University
INSTITUTE OF INTERNATIONAL LAW
School of Law - 40 Washington Square South
New York 3, New York
Prof. Albert Garretson, Acting Director Founded 1948

Sponsors studies concerned with legal questions of an international nature. Recent efforts have included research on proposed revision of U.N. charter and research on the law of international rivers.

University of Pennsylvania
INSTITUTE FOR LEGAL RESEARCH
3400 Chestnut Street
Philadelphia 4, Pennsylvania Founded 1955
James C.N. Paul, Director Staff: Professional 1 Other 1

Set up to facilitate large scale research undertakings. Recent efforts have included studies in judicial administration and judicial reform in Pennsylvania, administration of bail in Philadelphia and New York City, review of the Philadelphia Tax Review Board and study of police lineup and other identification practices (in cooperation with psychologists). Administers the Law School's law and behavioral sciences program.

University of Santa Clara
INSTITUTE OF CONTEMPORARY LAW
Santa Clara, California Founded 1960
Dean Leo A. Huard, Director Staff: Professional 7

Studies legal problems created by the interaction of municipal, state and federal governments and investigates the effect of such interaction on the operations of government and its agencies, on industry and industrial development and on the private citizen and his rights. Conducts special programs and seminars on governmental-legal problems. Publication: Santa Clara Legal Series, irregular.

Villanova University
COMMUNITIES RESEARCH INSTITUTE
School of Law
Villanova, Pennsylvania Founded 1958
William B. Ball, Director Staff: Professional 3

Conducts programs of research upon legal topics relating to community and regional planning, development and zoning. Sponsors meetings and conferences related to research.

Villanova University
INSTITUTE OF CHURCH AND STATE
School of Law
Villanova, Pennsylvania Founded 1956
Thomas J. O'Toole, Director Staff: Professional 2, Other 1

Conducts studies of legal problems arising from church-state questions under the sponsorship of interested groups. The viewpoints of persons of various faith, and of no religious faith, are taken into account. Sponsors spring conference and occasional seminars. Publication: Proceedings of Institute of Church & State, annual.

Western Reserve University
LAW-MEDICINE CENTER
Cleveland 6, Ohio
Oliver Schroeder, Jr., Director Founded 1954

Seeks to improve the administration of civil and criminal justice by the application of scientific methods. Research focuses on the causes of crime, methods of crime prevention and on utilization of medicine in the legal process. Conducts conferences and seminars. Publications: Ohio Law Enforcement Training Bulletin, bymonthly, Law-Medicine Problems, annual.

SECTION 8—AGRICULTURE, HOME ECONOMICS & NUTRITION

University of Alabama
RESEARCH LABORATORY OF HUMAN NUTRITION
School of Home Economics
Tuscaloosa, Alabama — Founded 1942
Dr. Frieda L. Meyer, Director — Staff: Professional 1

Studies problems of significance to the Southern region, i.e., (a) Nutritional status of Alabama school children (b) Utilization of dehydroascorbic acid and ascorbic acids from various sources by human subjects (c) Dietary studies and food practices of various age groups in Alabama (d) Use of a standardized reference diet for metabolic response of young adults to various nutrients including linoleic acid. Offers graduate training in nutrition sciences. Nutrition Symposium planned for 1961.

University of Arizona
ARIZONA AGRICULTURAL EXPERIMENT STATION
Tucson, Arizona — Founded 1889
Dr. Richard K. Frevert, Director — Staff: Prof. 129, Other 42

Conducts research and experimental studies in agriculture and home economics. Maintains branch stations and laboratories devoted to work with field crops, vegetables, citrus, cotton, and problems of animal diseases. Farm research activity centers upon beef, dairy, sheep, swine, and poultry. Publication: Progressive Agriculture, quarterly.

University of Arkansas
ARKANSAS AGRICULTURAL EXPERIMENT STATION
Fayetteville, Arkansas — Founded 1871
Dr. John W. White, VP for Agriculture — Staff: Prof. 213, Other 85

Carries on more than 200 active projects in the fields of agricultural chemistry, agricultural economics and rural sociology, agricultural engineering, agronomy, animal industry and veterinary science, entomology, horticulture and forestry, and plant pathology. Research is conducted at the main station at Fayetteville and at six branch stations and five substations located in various parts of the state. Conducts study days at branch stations, in-service training courses for extension personnel, and various subject matter conferences. Publication: Arkansas Farm Research, bimonthly.

Auburn University
AGRICULTURAL EXPERIMENT STATION
Auburn, Alabama — Founded 1883
E.V. Smith, Director — Staff: Professional 85

Conducts a full scale program of basic and applied research on problems of agriculture, forestry, home economics and related fields.

University of California
GIANNINI FOUNDATION OF AGRICULTURAL ECONOMICS
207 Giannini Hall
Berkeley 4, California — Founded 1928
George L. Mehren, Director — Staff: Professional 2, Other 2

Conducts program of research in agricultural economics, including natural resources and farm management. Efforts are integrated with the university's experiment station research.

University of Chicago
AMERICAN MEAT INSTITUTE FOUNDATION
939 East 57th Street
Chicago 37, Illinois — Founded 1947
Dr. B.S. Schweigert, Dir. of Res. & Ed. — Staff: Prof. 42, Other 15

Conducts long range research on the chemistry, physiology, microbiology and technology of meat and meat products. Sponsors Annual American Meat Institute Foundation Research Conference and Annual Industry Research Report Meeting. Publications: Scientific bulletins and circulars, irregular.

University of Chicago
FOOD RESEARCH INSTITUTE
Chicago 37, Illinois
Dr. Gail M. Dack, Director

Clemson College
SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION
Clemson, South Carolina — Founded 1887
Dr. O.B. Garrison, Director — Staff: Prof. 89, Other 67

Comprised of a Main Clemson Station and 7 branch stations serving the major geographical areas of the state. Experiments are conducted on plants, animals, insects, diseases, soils, water use, utilization of farm products and farm economics and marketing problems. Sponsors seminars and conferences. Publication: Agricultural Research, quarterly.

Colorado State University
COLORADO AGRICULTURAL EXPERIMENT STATION
Fort Collins, Colorado — Founded 1888
Dr. S.S. Wheeler, Director — Staff: Prof. 80, Other 40

Studies problems of farmers and ranchers in Colorado and their affiliated industries. Off-campus research is conducted at eight branch experiment stations. Sections are maintained for study of agronomy, agricultural engineering, animal disease, animal investigations, dairy industry, entomology, horticulture, poultry husbandry, civil engineering, forestry and range management, home economics, botany and plant pathology, chemistry, economics and sociology. Research results are published in pamphlets and technical bulletins.

University of Connecticut
STORRS AGRICULTURAL EXPERIMENT STATION
Storrs, Connecticut — Founded 1887
A.A. Spielman, Assoc. Director — Staff: Professional 57

Conducts basic and developmental research in the biological, economic and social sciences pertaining to the production, processing, marketing and consumption of agricultural products for the general welfare of all segments of the economy. Publications: Progress Reports, irregular, Bulletins, irregular.

Cornell University
AGRICULTURAL EXPERIMENT STATION
New York State Colleges of Agriculture and Home Economics
Ithaca, New York — Founded 1879
Dr. W.K. Kennedy, Director — Staff: Prof. 403, Other 688

Conducts research activities in the subject-matter areas in agriculture and home economics. In addition, basic efforts are sponsored in bacteriology, biochemistry, botany, entomology, and vertebrate zoology. Many seminars are scheduled weekly, special programs for representatives of the different segments of the agricultural industry are held frequently, and special symposia, conferences, etc., are arranged each year.

Cornell University
NEW YORK STATE AGRICULTURAL EXPERIMENT STATION
Geneva, New York — Founded 1882
Dr. Arthur J. Heinicke, Director — Staff: Prof. 85, Other 125

Research is primarily concerned with fruits and vegetables used for processing and in problems of the food processing industry. This involves production, development of improved varieties to meet changing requirements of the processing industry, control of insects and diseases, and chemical, bacteriological, and technological investigations in food processing.

University of Florida
FLORIDA AGRICULTURAL EXPERIMENT STATIONS
Gainesville, Florida — Founded 1888
J.R. Beckenbach, Director — Staff: Prof. 310, Other 548

Conducts research in all phases of agriculture, including forestry, and maintains a close working relationship with the Florida Agricultural Extension Service, College of Agriculture, and other divisions of the University of Florida, including joint appointments. Works cooperatively with U.S. Department of Agriculture, U.S. Weather Bureau, State Plant Board, Florida Citrus Commission, Florida Game & Fresh Water Fish Commission and State Department of Agriculture. Sponsors field days, seminars, and holds annual meetings of research specialists in specific areas such as pathology, entomology, etc., including regional and inter-regional research meetings on specific cooperative research projects. Publications: Sunshine State Agricultural Research Report, quarterly. Publishes bulletins and circulars to disseminate information and research findings.

University of Georgia
AGRICULTURAL EXPERIMENT STATION
Athens, Georgia
George H. King, Director — Staff: Professional 25

Conducts research at three stations in the following fields: agronomy, economics, engineering, animal husbandry, dairy, entomology, food processing, horticulture, landscape architecture, plant pathology and poultry science.

Harvard University
BUSSEY INSTITUTION
281 South Street
Boston, Massachusetts — Founded 1871
Paul C. Mangelsdorf, Supervisor — Staff: Professional 2

Conducts research in agriculture, horticulture and related basic sciences.

University of Hawaii
HAWAII AGRICULTURAL EXPERIMENT STATION
1801 University Avenue
Honolulu 14, Hawaii — Founded 1929
Morton M. Rosenberg, Director — Staff: Prof. 72, Other 93

Conducts research (basic, developmental, and applied) in the production, processing, utilization and marketing of agricultural food and fiber products. Efforts range from basic investigations on soil genesis to developmental studies on the design of specialized machines for the processing of food products. Research results are published in bulletins and technical reports. Publication: Hawaii Farm Science, quarterly.

University of Idaho
IDAHO AGRICULTURAL EXPERIMENT STATION
Agricultural Science Building
Moscow, Idaho — Founded 1892
Dr. James E. Kaus, Director — Staff: Prof. 135, Other 28

Research conducted in production, marketing and utilization of farm products. Seeks to answer practical agricultural problems as well as those of a more fundamental nature. Branch stations are located at 9 places around the state. Research results are reported in the publications of the program. Publications: Idaho Agricultural Science Quarterly, Experiment Station Bulletins, irregular.

University of Illinois
ILLINOIS AGRICULTURAL EXPERIMENT STATION
Mumford Hall
Urbana, Illinois — Founded 1888
Dr. Louis B. Howard, Director — Staff: Prof. 300, Other 250

Assumes responsibility for all agricultural research in the fields of agronomy (soils and crops), agricultural economics (marketing, farm management, farm law, rural sociology, price policy), agricultural engineering (machinery, power, irrigation, drainage), animal science (breeding, feeding and management of beef cattle, swine, sheep and poultry, animal genetics and physiology and meats), dairy science (breeding, feeding and management of dairy cattle), forestry, food technology, horticulture (includes floriculture, home economics, plant pathology and veterinary science). Conducts very frequent conferences, institutes, seminars, short courses and special programs. Publications: Biennial Report, Illinois Experiment Station Bulletins, irregular.

Iowa State University
IOWA EXPERIMENT STATION IN AGRICULTURE & HOME ECONOMICS
Ames, Iowa — Founded 1888
Dr. Lloyd Andre, Director — Staff: Prof. 95, Other 180

In addition to the main station, work is carried out at many places throughout the state. Principal fields of research activity include agricultural engineering, agronomy, animal husbandry, dairy and food industries, agricultural economics and rural sociology, entomology and wildlife management, forestry, genetics, horticulture, plant pathology, poultry husbandry, technical journalism and vocational education. Research is supported also in animal pathology, agricultural bacteriology, agricultural chemistry, home economics and agricultural statistics. Research results are disseminated in bulletins, technical articles and the monthly journal. Sponsors conferences and seminars related to agricultural interests. Publications: Iowa Farm Science, monthly, Research Bulletins, irregular.

State University of Iowa
INSTITUTE OF AGRICULTURAL MEDICINE
Iowa City, Iowa — Founded 1955
Franklin H. Top, M.D., Director — Staff: Prof. 9, Other 1

Seeks to determine the number, extent and importance of health problems confronting the farmer, to assess these problems on the basis of adequacy or inadequacy of present methods of prevention or treatment and to determine the necessity of fostering research in its solution. "This is the only organization of its kind in the United States." Conducts conferences and seminars. Publication: Bulletin, irregular.

Kansas State University
KANSAS AGRICULTURAL EXPERIMENT STATION
Waters Hall
Manhattan, Kansas — Founded 1888
Dr. Glenn H. Beck, Director — Staff: Prof. 167, Other 164

Research emphasis is on agricultural production, processing, utilization and marketing problems. Also administers research in the fields of home economics, including nutrition, cookery, textiles, family living and housing problems. Publication: Agricultural Situation, monthly.

University of Kentucky
KENTUCKY AGRICULTURAL EXPERIMENT STATION
Lexington, Kentucky — Founded 1885
Dean Frank J. Welch, Director — Staff: Prof. 260, Other 199

Recent active projects included the fields of agronomy, animal husbandry, dairying, poultry, animal pathology, horticulture, agricultural economics, agricultural engineering, home economics, rural sociology and entomology. The program investigates problems of a basic and applied nature. Research results are disseminated in bulletins and circulars. Publication: Bulletin, irregular.

Louisiana State University
LOUISIANA AGRICULTURAL EXPERIMENT STATION
P.O. Box 8877 - University Station
Baton Rouge, Louisiana — Founded 1873
Dr. Charles W. Upp, Director — Staff: Prof. 121, Other 107

Maintains a program directed toward the creation of new knowledge and the solution of problems in agriculture. Work is conducted in 14 campus departments and at 10 branch stations plus other special sites. Field investigations center upon forage and field crops, horticulture, plant diseases and insect pests, while much of the experimental work requires laboratory facilities and special scientific apparatus. Bulletins and scientific articles stemming from the research program are frequently published. Publication: Louisiana Agriculture, quarterly.

University of Miami
EXPERIMENTAL FARM AND TROPICAL PLANT RESEARCH LABORATORIES
Coral Gables, Florida
S. John Lynch, Director — Founded 1947

Maintains 450 acre farm of which 130 are under cultivation as experimental plots. Field research consists of nitrogen, phosphorus and potash studies on the principal tree crops of the extreme South Florida area and of minor element studies on new potential tree crops such as macadamia nut, lychee, and sapodilla. Other projects include: methods of plant propagation, rootstock studies, variety selection and hand polination, insects control, life history studies of new insect pests, leaf and fruit analysis studies, floral behavior and differentiation, harvesting methods. Maintains greenhouses, slat sheds, insectary, commercial packing house, and other laboratories. Operated under the direction of the Department of Botany.

University of Miami
TROPICAL FOOD RESEARCH LABORATORIES
Coral Gables, Florida — Founded 1947
Dr. Arthur L. Stahl, Director — Staff: Professional 3

Conducts research in all phases of food, including processing by freezing, canning, pickling, etc., as well as on composition of foods and waste utilization.

University of Maryland
AGRICULTURAL EXPERIMENT STATION
College of Agriculture
College Park, Maryland — Founded 1856
I.C. Haut, Director — Staff: Prof. 90, Other 83

Research program is related to the solution of agricultural problems of the region and cuts across a wide range of agricultural sciences. Issues reports and bulletins based upon research findings.

University of Massachusetts
AGRICULTURAL EXPERIMENT STATION
Amherst, Massachusetts
Dr. Dale H. Sieling, Director

Studies are conducted on the problems of agricultural economics, farm management, agronomy, bacteriology, chemistry, dairy and animal science, engineering, entomology, plant pathology, horticulture, floriculture, food technology, nutrition, poultry and veterinary science.

Michigan State University
MICHIGAN AGRICULTURAL EXPERIMENT STATION
101 Agricultural Hall
East Lansing, Michigan — Founded 1887
Dr. L.M. Turk, Director — Staff: Prof. 70, Other 67

Conducts more than 400 continuing projects in the following fields: storing, processing, handling and distribution of farm products, crop breeding, plant diseases, weed control, insect control, animal husbandry, poultry, dairy industries, veterinary sciences, food technology, cancer studies, crop production, plant breeding, soil management, agricultural economics, forestry, home economics, fish and wildlife, etc. Research is carried out in laboratories and at 12 experimental centers throughout the state. Research results are issued in published reports and studies. Sponsors seminars, conferences and professional meetings. Publication: Michigan Quarterly Bulletin.

University of Minnesota
MINNESOTA AGRICULTURAL EXPERIMENT STATION
St. Paul Campus
St. Paul 1, Minnesota — Founded 1887
Dr. H.J. Sloan, Director — Staff: Prof. 375, Other 300

Research ranges from the very applied to most fundamental. Projects are supported by state and federal governments as well as foundations and private industry sponsors. Studies are conducted in every subject matter field which relates to forestry, home economics, agriculture and veterinary medicine. Research results are reported in technical bulletins and reports. Sponsors numerous conferences, workshops and seminars. Publication: Farm and Home Science, quarterly.

Mississippi State University
MISSISSIPPI AGRICULTURAL EXPERIMENT STATION
P.O. Box 1466
State College, Mississippi — Founded 1888
Dr. Clay Lyle, Director — Staff: Prof. 148, Other 115

Conducts a large scale program of research in the social sciences, feeding, breeding, and management of farm livestock including the control of insects and parasites, the study of soil sciences and fertilization, breeding, and management of farm crops. Experiments are conducted in laboratories and at experimental farm centers. Publication: Mississippi Farm Research, monthly.

Mississippi State University
MISSISSIPPI SEED TESTING LABORATORY
State College, Mississippi
Dr. James C. Delouche, Analyst — Staff: Professional 5

Serves primarily to test seed samples for farmers and seed merchants. Tests are for purity, germination and noxious weeds.

University of Missouri
AGRICULTURAL EXPERIMENT STATION
Mumford Hall
Columbia, Missouri
Dean John H. Longwell, Director — Founded 1912

Conducts a wide range of research in all of the areas of agricultural and related sciences.

Montana State College
MONTANA AGRICULTURAL EXPERIMENT STATION
Bozeman, Montana — Founded 1893
Dr. Roy E. Huffman, Director — Staff: Prof. 35, Other 114

Conducts research in all phases of Montana agriculture in 14 research departments and laboratories located at Bozeman and seven branch experiment stations located throughout the State. Research program includes both basic and applied phases of the biological, physical, and social sciences. Sponsors Beef Production School, Sheep Production School, Bankers School, Poultry Institute, Livestock Feeders Day, Crops and Soils School.

Montana State College
MONTANA WOOL LABORATORY
Bozeman, Montana — Founded 1945
James Drummond, Supervisor — Staff: Professional 3

Conducts a program of wool production and marketing research and a range of extension activities for Montana wool producers.

University of Nebraska
AGRICULTURAL EXPERIMENT STATION
Lincoln 3, Nebraska — Founded 1918
W.V. Lambert, Dean — Staff: Professional 182

Conducts research on many phases of agriculture and issues bulletins and technical reports based upon these studies. Sponsors many conferences and seminars. Publication: Experiment Station Quarterly.

University of Nevada
AGRICULTURAL EXPERIMENT STATION
Reno, Nevada
Dr. James E. Adams, Director

Seeks to solve the problems of ranchers and agricultural industries through basic and applied research studies. Publishes research results in bulletins and monographs.

University of New Hampshire
NEW HAMPSHIRE AGRICULTURAL EXPERIMENT STATION
Durham, New Hampshire — Founded 1888
Dr. Harry A. Keener, Director — Staff: Professional 2, Other 7

Conducts general research program in agriculture, forestry and home economics and in all of the specific technical spheres related to these disciplines. Experiments are carried out in field and laboratory studies and research results are issued in published form. Publication: Report of Progress, quarterly.

New Mexico State University of Agriculture, Engineering and Science
NEW MEXICO AGRICULTURAL EXPERIMENT STATION
Box 128
University Park, New Mexico — Founded 1891
Robert H. Black, Director — Staff: Professional 31, Other 8

Increasing emphasis is being applied to basic problems but principal efforts are directed towards finding answers to practical rural and agricultural problems where they pertain to livestock, crops, soils, and improvement of rural living. Sponsors a series of six farm days and cooperates in many workshops and short schools to help disseminate research information. Publication, Bulletin, irregular.

North Carolina State College
NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION
State College Station
Raleigh, North Carolina — Founded 1877
Dr. Roy L. Lovvorn, Dir. of Research — Staff: Prof. 270, Other 338

Conducts basic and applied research in the various agricultural disciplines, including agricultural economics, animal industry, botany and bacteriology, chemistry, entomology, experimental statistics, field crops, genetics, horticulture, plant pathology, poultry science, rural sociology, soils, zoology and forestry. Maintains a number of research stations located in all types of farming areas of the state. Sponsors regional, state-wide, and occasional national meetings related to various agricultural disciplines and their research programs. Publication: Research and Farming, quarterly.

North Dakota Agricultural College
NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION
State College Station
Fargo, North Dakota — Founded 1890
Arlon G. Hazen, Director — Staff: Prof. 35, Other 60

Conducts agricultural research, both basic and applied, generally designed to aid agriculture in the State of North Dakota. Studies are conducted at the laboratories of all the departments of the station and at 7 outlying branch stations around the state. Sponsors numerous seminars, workshops and institutes. Publication: Farm Research, bimonthly.

Ohio State University
INSTITUTE OF NUTRITION & FOOD TECHNOLOGY
1645 Neil Avenue
Columbus 10, Ohio — Founded 1946
Dr. J. B. Brown, Director — Staff: Professional 1, Other 1

Objectives are to promote cooperative research in nutrition and food technology, to organize and integrate instructional programs to enable students to receive training for specialized careers in nutrition and/or food technology, to mobilize the talents and facilities of the Ohio State University and the Ohio Agricultural Experiment Station in a coordinated program of education and research towards the broad objective of 'better health through better nutrition' for the American people and to receive grants-in-aid for researches in nutrition and food technology. Sponsors Interdepartmental Seminar in Nutrition and Food Technology held each spring quarter.

Ohio State University
OHIO AGRICULTURAL EXPERIMENT STATION
Wooster, Ohio — Founded 1882
W.E. Krauss, Acting Director — Staff: Prof. 95, Other 200

Conducts basic, applied and developmental research in the plant and animal sciences, social sciences and engineering, and in specific functional areas of agriculture. Cooperative research is carried out with other states of the North Central Region, with the US Department of Agriculture, with other Ohio State University departments and with industry. Occasional seminars and symposia are held, plus annual field days at Wooster and outlying locations. Publications: Farm and Home Research, bimonthly, Research Facts, bimonthly.

Oklahoma State University
AGRICULTURAL EXPERIMENT STATION
Stillwater, Oklahoma — Founded 1891
Dr. Louis E. Hawkins, Director — Staff: Professional 47

Research efforts include studies of agricultural economics, agricultural engineering, agronomy, animal husbandry, bacteriology, biochemistry, botany and plant pathology, dairying, entomology, forestry, horticulture, poultry science, sociology and rural life, and veterinary medicine.

Oregon State College
OREGON AGRICULTURAL EXPERIMENT STATION
Corvallis, Oregon — Founded 1888
F.E. Price, Director — Staff: Prof. 225, Other 200

Conducts research in conservation and efficient use of the state's natural resources including soil, water, fish and wildlife, increased efficiency of production of agricultural commodities, improving, processing and marketing of agricultural products; testing and developing new crops and new uses for old crops as a means of reducing crop surpluses; collecting and analyzing basic information needed in development of comprehensive agricultural programs and policies. Publication: Oregon's Agricultural Progress, quarterly.

University of Maine
MAINE AGRICULTURAL EXPERIMENT STATION
Orono, Maine — Founded 1885
George F. Dow, Director — Staff: Professional 33, Other 77

Conducts a wide range of studies in the following areas: agricultural economics, agricultural engineering, agronomy, animal pathology, animal science, biochemistry, botany, entomology, food processing, forestry, home economics, horticulture and poultry science. Publication: Maine Farm Research, quarterly.

Agricultural and Technical College of North Carolina
NORTH CAROLINA EXPERIMENT STATION
1602 Lindsey Street
Greensboro, North Carolina
Dr. Booker T. White, Prof.

Pennsylvania State College
AGRICULTURAL EXPERIMENT STATION
State College, Pennsylvania

Studies a wide range of problems related to the needs of the regional agricultural economy and issues reports and bulletins incorporating the results of the research.

Pennsylvania State University
AGRICULTURAL EXPERIMENT STATION
University Park, Pennsylvania
Michael A. Farrell, Director — Founded 1887

Studies deal with comprehensive basic problems of agriculture and also in order to find solutions to immediate problems. Efforts cover such areas as soil productivity, animal nutrition, insect pests, farm costs and land use. Publication: Science for the Farmer, quarterly.

Prairie View A & M College
AGRICULTURAL EXPERIMENT STATION
Prairie View, Texas
J.C. Williams, Director

University of Puerto Rico
INSTITUTE OF NUTRITION
Department of Chemistry
Rio Piedras, Puerto Rico — Founded 1947
Nestor M. Rodriguez, Director — Staff: Professional 2

Conducts studies on the nutritive values of native food stuffs, raw and processed. Recent efforts were on determination of amino acids and iron and the effect of canning and storage on amino acids and iron context.

Purdue University
AGRICULTURAL EXPERIMENT STATION
Lafayette, Indiana
Dr. Norman J. Volk

Serves as an administrative, research and service agency responsible for the development and implementation of a full scale program of agricultural studies concentrated with regional and national programs.

University of Rhode Island
AGRICULTURAL EXPERIMENT STATION
Kingston, Rhode Island — Founded 1887
Dr. William H. Wiley, Director — Staff: Prof. 21, Other 4

Conducts an extensive program of basic and applied research in virtually every phase of agriculture including such areas as agricultural chemistry, agricultural economics, agronomy, animal husbandry, animal pathology, forestry, home economics, horticulture, plant pathology and entomology, plant physiology, poultry husbandry and sociology. Sponsors seminars and conferences. Publication: Rhode Island Agriculture, quarterly.

Rutgers-The State University
AGRICULTURAL EXPERIMENT STATION
New Brunswick, New Jersey — Founded 1880
William H. Martin — Staff: Prof. 170, Other 200

Conducts a large number of research projects dealing with problems of businesses and industries supplying agricultural materials, agricultural producers, agricultural processors, manufacturers, marketing agencies and consumers. Sponsors scheduled seminars at department and experiment station levels. Publication: New Jersey Agriculture, bimonthly.

University of Saskatchewan
SASKATCHEWAN SOIL SURVEY
Department of Soil Science
Saskatoon, Saskatchewan, Canada — Founded 1921
W.L. Hutcheon, Director — Staff: Professional 9, Other 2

Conducts studies of the characteristics, composition, geography and genesis of the soils of Saskatchewan and participates in the development of a suitable system of classification of various types of practical groupings of the soils at the local, national and international levels in order to facilitate interchange of information related utilization and understanding of the soil. Sponsors special lecture series and seminars on soil classification and soil geography. Publication: Saskatchewan Soil Survey Reports, irregular.

South Dakota State College
AGRICULTURAL EXPERIMENT STATION
Brookings, South Dakota
Dean Orville G. Bentley, Director — Founded 1887

Conducts a full scale program of research and service functions in agricultural and related fields. Publication: South Dakota Farm and Home Research, quarterly.

Stanford University
FOOD RESEARCH INSTITUTE
Stanford, California — Founded 1921
M. K. Bennett, Director — Staff: Prof. 14, Other 7

Studies are conducted within the fields of food production, distribution and consumption, principally through economic studies of specific commodities. Areas of continuing interest include national food management and agricultural policy, population trends and theories, behavior of speculative prices in future markets, crop yields and international commodity controls. Maintains a special library related to its interests. Publication: Food Research Institute Studies, 3 issues annually.

University of Tennessee
AGRICULTURAL EXPERIMENT STATION
Room 104-Morgan Hall
Knoxville 17, Tennessee — Founded 1869
Dr. John A. Ewing — Staff: Prof. 111, Other 85

Research is geared to the solution of problems confronting farm owners and operators, rural homemakers, organizations, agricultural industry interests and education. Studies seek to discover new facts and principles, methods, materials, procedures, better plant varieties and better breeds of animals. Much attention is given to soils and fertilizers, mechanical devices, human nutrition, rural economic and social problems. Research results are reported in circulars, bulletins and monographs. Publications: Tennessee Farm and Home Science, quarterly, Bulletin, irregular.

Agricultural & Mechanical College of Texas
TEXAS AGRICULTURAL EXPERIMENT STATION
College Station, Texas — Founded 1887
R.D. Lewis, Director — Staff: Prof. 401, Other 310

Conducts research of concern to farmers, ranchers, organizations and rural homemakers. Efforts include basic, applied and developmental studies in the following fields: conservation, grasses, grains, cotton, vegetables, citrus fruits and nuts, plant disease, cattle, poultry, animal diseases, farm methods, marketing, home economics and agricultural economics and sociology. Publication: Texas Agricultural Progress, bimonthly.

Texas College of Arts and Industries
CITRUS AND VEGETABLE TRAINING CENTER
P. O. Box 236
Weslaco, Texas — Founded 1947
Dr. P.W. Rohrbaugh, Director — Staff: Professional 4, Other 17

Conducts a range of studies of citrus and other vegetable products.

Texas Technological College
TEXTILE RESEARCH LABORATORIES
Textile Engineering Building
Lubbock, Texas — Founded 1954
John R. Bradford, Director — Staff: Professional 5, Other 4

Coordinates the Texas cotton crop and seeks to develop means to make the most effective possible use of cotton. Concerned with the measurement of fiber properties and the determination of operational procedures that will produce the best possible yarn and fabric from subject cottons.

Texas Woman's University
RESEARCH FOUNDATION IN HOUSEHOLD ARTS AND SCIENCES
University Hill
Denton, Texas — Founded 1952
Dr.Pauline Beery Mack, Director — Staff: Professional 25, Other 6

Studies center on human nutrition and in experimental animal nutrition conducted in the Nelda Childers Stark Laboratory for human nutrition research; research on cotton in the cotton finishing and utilization research laboratories; studies on home and power laundry detergency in the textile detergency laboratory, as well as psychology studies in the laboratories devoted to child development and family relations. Also food research is carried on in the food and food technology laboratories.

University of Texas
COTTON ECONOMIC RESEARCH
P. O. Box 8020 - University Station
Austin 12, Texas
John R. Stockton, Director — Staff: Professional 3, Other 1

Promotes the use of Texas cotton, by providing regular crop reports and conducting special projects and issuing reports covering special phases of the Texas cotton industry.

Utah State University
AGRICULTURAL EXPERIMENT STATION
Logan, Utah
Wynne Thorne, Director — Staff: Professional 75, Other 20

Carries on program of research in the following fields: agricultural economics, agronomy, animal husbandry, applied statistics, bacteriology and public health, botany and plant pathology, chemistry, dairy industry, forestry, home economics, horticulture, civil engineering, poultry husbandry, range management, sociology, veterinary science, wildlife management and zoology.

University of Vermont
VERMONT AGRICULTURAL EXPERIMENT STATION
Morrill Hall
Burlington, Vermont — Founded 1886
Dr. Thomas W. Dowe, Director — Staff: Prof. 33, Other 22

Conducts basic and applied research in the agricultural sciences and home economics and issues publications based upon research findings. Sponsors regional conferences and special institutes such as Vermont Feed Dealers Nutrition Conference, Dairy Plant Managers and Operators Conference.

Virginia Polytechnic Institute
VIRGINIA AGRICULTURAL EXPERIMENT STATION
Blacksburg, Virginia — Founded 1877
Dr. H.N. Young, Director — Staff: Prof. 78, Other 218

Conducts a program of basic and applied research in agricultural sciences. Major activities have centered on soil, land and water, field crops, livestock and poultry, fruits and vegetables, food technology and nutrition, farm buildings, agricultural economics and special studies. Publications: Bulletins, irregular, Technical Bulletins, irregular, Research Reports, irregular.

Washington State University
AGRICULTURAL EXPERIMENT STATION
Pullman, Washington — Founded 1890
Mark T. Buchanan, Director — Staff: Prof. 168, Other 229

Conducts research in agronomy, agricultural economics, agricultural engineering, animal science, agricultural chemistry, dairy science, entomology, forestry and range management, home economics, horticulture, plant pathology, poultry science, rural sociology and veterinary science to serve agricultural industry of state. Conducted at main station at Pullman and at 7 branch experiment stations. Sponsors various meetings and issues general and technical bulletins based on research.

West Virginia University
AGRICULTURAL EXPERIMENT STATION
Morgantown, West Virginia — Founded 1888
A.H. VanLandingham, Director — Staff: Prof. 98, Other 31

Conducts investigations in agricultural biochemistry, agricultural economics, rural sociology, agricultural engineering, agronomy and genetics, animal husbandry, dairying, forestry, home economics, horticulture, plant pathology, bacteriology and entomology. Sponsors numerous meetings and seminars. Publication: Science Serves Your Farm & Home, quarterly.

University of Wyoming
AGRICULTURAL EXPERIMENT STATION
Laramie, Wyoming — Founded 1891
N.W. Hilston, Director — Staff: Professional 85, Other 20

Conducts a research program in various phases of animal and plant science, agricultural economics, home economics, agricultural biochemistry and agricultural engineering. Publications: Circulars, irregular, Bulletins, irregular.

SECTION 9—CONSERVATION

University of Arizona
ARIZONA COOPERATIVE WILDLIFE RESEARCH UNIT
214 Biological Science Building
Tucson, Arizona — Founded 1951
Lyle K. Sowls, Leader — Staff: Professional 3, Other 1

Conducts a program of applied and basic research on problems involving fish and game management.

University of British Columbia
INSTITUTE OF FISHERIES
Vancouver 8, B.C., Canada — Founded 1952
Dr. P.A. Larkin, Director — Staff: Professional 4, Other 1

Conducts systematic field research studies on Canadian and Alaskan fresh-water and marine fishes and eastern tropical Pacific marine fishes. Laboratory research centers on growth, population, dynamics, meristic variation, etc. Sponsors occasional symposia on fisheries topics and yearly guest lectureship for visiting scientists. Publication: Museum Contributions of Institute of Fisheries, irregular.

University of British Columbia
INSTITUTE OF OCEANOGRAPHY
Vancouver 8, B.C., Canada — Founded 1949
Dr. G.L. Pickard, Director — Staff: Professional 6, Other 2

Conducts basic oceanographical studies relating to physics, botany, zoology, geology and chemistry. Efforts are conducted in the laboratory as well as in the field.

University of British Columbia
RESEARCH FOREST
Faculty of Forestry
Vancouver 8, B.C., Canada — Founded 1943
F.M. Knapp, Director — Staff: Professional 4, Other 2

Conducts research involving forest trees and stand with woodlands research as its keystone. Efforts include applied research and basic studies in wood technology, forest genetics, silvics, forest ecology and forest soils. Field meetings and short courses are frequently sponsored.

University of California
SCRIPPS INSTITUTION OF OCEANOGRAPHY
P. O. Box 109
La Jolla, California — Founded 1903
Roger Revelle, Director — Staff: Prof. 159, Other 485

Divided into marine biology, marine geology, marine geophysics and marine resources. Supporting efforts include marine facilities, library and aquarium-museum. The scope of the research program is all the aspects of the study of the sea. Publications: Bulletin of the Scripps Institution of Oceanography, irregular, Oceanic Observations of the Pacific, irregular.

University of California
SEA WATER CONVERSION LABORATORY
177 Richmond Field Station
1301 South 46th Street
Richmond, California — Founded 1952
Prof. Everett D. Howe, Director — Staff: Professional 8, Other 4

Conducts a technical and economic investigation of certain schemes for producing potable fresh water from sea water.

University of Connecticut
MARINE RESEARCH LABORATORY
Main Street
Noank, Connecticut — Founded 1957
Dr. John S. Rankin, Jr., Director — Staff: Professional 2, Other 2

Research areas include estuarine productivity, microplanktonic populations, macro-benthic communities, climatology, analysis and monitoring of gross radio-activity in marine environment, growth and development of marine algae, life cycles of fishes and invertebrates and marine bacteriology. Sponsors summer institutes.

Dalhousie University
INSTITUTE OF OCEANOGRAPHY
Halifax, N.S., Canada
Dr. F. Ronald Hayes, Director — Founded 1959

Program is still being activated. Sponsored jointly with the National Research Council of Canada.

University of Delaware
MARINE LABORATORIES
Marine Biology Laboratory
Department of Biological Sciences
Newark, Delaware — Founded 1951
Dr. Carl N. Shuster, Jr., Director — Staff: Professional 6, Other 2

There are two units of the Marine Laboratories. On campus the laboratories are equipped for special problems in: histochemistry, biochemistry and physiology and there is an aquarium for limited culture work and supply of living organisms. The Bayside Laboratory is the field station. Equipment and facilities permit hydrographic, plankton, tidal marsh and beach zone fishes research. Publication: Estuarine Bulletin, quarterly.

Duke University
MARINE LABORATORY
Beaufort, North Carolina — Founded 1938
Dr.C.G. Bookhout, Director — Staff: Professional 9, Other 4

Conducts rearing studies of marine invertebrates in relation to physical factors (barnacles, shrimp, crabs, etc.), tracer studies in relation to shell deposition in oysters and the salt secreting gland in birds, etc., ecological studies and mapping of bottom communities in the vicinity of Beaufort and Cape Hatteras, taxonomic and ecological studies of marine algae, including ditomes, survey of parasites and marine organisms in the Beaufort area, life history and metabolism of digenetic trematodes, description of marine fungi from brackish water to the ocean, studies of the bacteria and fungi in relation to their destructiveness of wood, ropes and their parasitism of marine animals, cytologic cell division of sea urchin egg and the physiological ecology of marine invertebrates. Publications: Duke University Marine Station, irregular, Bulletin of the Duke University Marine Laboratory, irregular.

Florida State University
OCEANOGRAPHIC INSTITUTE
Tallahassee, Florida — Founded 1949
Dr. Sidney W. Fox, Director — Staff: Professional 9, Other 4

Conducts and encourages fundamental research on marine problems in the geographical area; carries on applied studies related to the utilization of the marine resources of Florida; provides facilities for training graduate students in marine sciences.

University of Georgia
MARINE INSTITUTE
Sapelo Island, Georgia — Founded 1954
Dr. Lawrence R. Pomeroy, Director — Staff: Professional 4, Other 5

Conducts basic research primarily in the problems of marine biological productivity as found in the estuarine waters adjacent to the Georgia Sea Islands. Program includes efforts in the fields of marine productivity, nutrient cycles, dynamics of plankton blooms and biochemistry of luminescence. Publication: Collected Reprints, annual.

Harvard University
MARIA MOORS CABOT FOUNDATION
Botanical Museum
Cambridge 38, Massachusetts — Founded 1937
Prof. Kenneth V. Thimann — Staff: Professional 2

"The primary purpose is by artificial selection and other methods, to increase the capacity of the Earth to produce fuel by the growth of trees and other plants." Research centers on forest breeding and the physiology of forest trees. Publication: Cabot Foundation Publications, irregular.

University of Idaho
FOREST, WILDLIFE AND RANGE EXPERIMENT STATION
Moscow, Idaho — Founded 1939
Ernest Wohletz, Director — Staff: Professional 4, Other 2

Conducts investigations and disseminates research results. Areas of interest include forest management, forest economics, tree physiology, forest pathology, range improvement, range reseeding, range weed problems, studies of antelope, deer, elk, grouse and pheasants, and research on lake and stream fishing problems. Publications: Forest, Wildlife and Range Experiment Station Bulletin, irregular, Research Notes, irregular.

Johns Hopkins University
CHESAPEAKE BAY INSTITUTE
121 Maryland Hall
Baltimore 18, Maryland — Founded 1948
Dr. D.W. Pritchard, Director — Staff: Professional 12, Other 28

Conducts studies of the physics and chemistry of the entire Bay and its tributaries, and also of limited regions of the Bay. Most studies are in chemical and physical oceanography and are designed to aid in the prediction from observable factors of the processes which control major fluctuations in commercial fisheries. A field laboratory is maintained in Annapolis where the two research vessels are moored. Institute research findings are published in a series of data reports, technical reports, special reports and collected reprints.

Laval University
FOREST RESEARCH LABORATORY
Quebec, Canada
F.A. Harrison — Founded 1955

Conducts research in thermal potential and inflammability of forest humus and debris, pedology and phytosociology of forests, studies of mineral nutrition, microbiology and biochemistry of forest humus, and the classification of marginal lands. Publications: Contributions of the Forest Research Laboratory, irregular, Bulletins of the Forest Research Laboratory, irregular.

Louisiana State University
COASTAL STUDIES INSTITUTE
Baton Rouge 3, Louisiana — Founded 1954
Dr. Richard Joel Russell, Director — Staff: Professional 3

Research interests center primarily in geological, geographical and biological studies of coastal regions, particularly of low alluvial coasts. Recent efforts included detailed analyses of sedimentology and relation of coastal historical changes to changes in configuration. Field parties work all over the world.

University of Miami
ICHTHYOLOGICAL LABORATORY AND MUSEUM
Coral Gables, Florida
Luis R. Rivas, Curator — Founded 1947

Established as a division of the Department of Zoology. Program emphasizes marine and freshwater fishes of Florida and the Gulf and Caribbean areas. Collection includes 35,000 specimens representing 200 families. Research emphasis is placed on the integral-study of fish biology and taxonomy.

University of Miami
MARINE LABORATORY
#1 Rickenbacker Causeway - Virginia Key
Miami 49, Florida — Founded 1943
Dr. F.G. Walton Smith, Director — Staff: Prof. 104, Other 18

Engages in fundamental research in tropical fisheries, ichthyology, marine biology, marine geology, and physical and clinical oceanography. Conducts applied studies for the government, the State of Florida and industrial organizations in problems such as commercial fisheries development, effects of shipbottom corrosion, development of commercial products of marine origin. Maintains a museum collection and a special library of oceanography and meteorology. Sponsors Annual Gulf and Caribbean Fisheries Institute, Annual Institutional Gamefish Conference. Publications: Bulletin of Marine Science of the Gulf and Caribbean, quarterly. Proceedings of the Annual Gulf and Caribbean Fisheries Institute, annual.

Michigan College of Mining and Technology
FORD FORESTRY CENTER
Alberta, Route #2
L'Anse, Michigan — Founded 1954
Dr. Eric A. Bourdo, Jr., Director — Staff: Professional 3, Other 3

Primary area of research interest is in silvical, silvicultural and forest management problems. Utilization research involving sawmill is in progress and general contract research requiring use of sawmill is solicited. Conducts professional short courses, seminars and technical demonstrations and workshops. Publication: Ford Forestry Center Technical Bulletin, irregular.

Michigan College of Mining and Technology
FOREST PRODUCTS RESEARCH DIVISION
Houghton, Michigan — Founded 1947
Dr. Hereford Garland, Director — Staff: Professional 6, Other 2

Conducts a program centered on development of industrial applications of the forest resources of northern Michigan. Main project categories are chemical wood utilization, timber harvesting, lumber utilization and wood-using industry development. Offers technical consultation of an advisory nature to any present or potential Michigan enterprise. Cooperative and contract research projects are also undertaken. Conducts industrial short courses in sawmilling and lumber grading.

University of Michigan
GREAT LAKES RESEARCH INSTITUTE
Ann Arbor, Michigan
Dr. David C. Chandler, Director — Founded 1945

Stimulates, promotes and coordinates studies of the physical, chemical and biological aspects of the Great Lakes through research in such areas as location of water supply plants, proper management of sewage and industrial wastes, location of industrial plants requiring use of lake water, planning of recreational sites, harbor location and general problems of beach erosion, air pollution, water quality and navigation. Sponsors occasional conferences (1953, 1955, 1959) on the research program of the Institute.

University of Michigan
INSTITUTE FOR FISHERIES RESEARCH
University Museums Annex
Ann Arbor, Michigan — Founded 1930
Dr. Gerald P. Cooper, Director — Staff: Prof. 42, Other 23

The research section of the Fish Division, Michigan Department of Conservation. Maintains six field research stations throughout the state. Conducts basic and applied research on fish life, biological productivity and fish management practices in streams and (mostly inland) lakes in Michigan. Publication: Bulletin, irregular.

University of North Carolina
INSTITUTE OF FISHERIES RESEARCH
P. O. Box 629
Morehead City, North Carolina — Founded 1947
Dr. A.F. Chestnut, Director — Staff: Professional 6, Other 4

Conducts life history and ecological studies on marine fishes, crustaceans mollusks and oceanographic studies of North Carolina Sounds. Carries on experimental studies on the effects of physical, chemical and biological factors upon growth, development, feeding and mortality of marine invertebrates and fishes and studies of primary productivity of estuarine areas.

Ohio State University
NATURAL RESOURCES INSTITUTE
108 Townshend Hall
1885 Neil Avenue
Columbus 10, Ohio — Founded 1955
Dr. Charles A. Dambach, Director — Staff: Professional 1, Other 1

Functions are primarily those of stimulation and coordination within the participating departments. Recent research projects involved the productivity of Lake Erie waters, biological and chemical problems associated with mine acid drainage, the economic and social factors involved in the success of the Muskingum Watershed Conservancy District, and limnological studies of an artificially impounded water area in southwestern Ohio. Sponsors a monthly interdepartmental faculty seminar in resource conservation to which leaders in resource agencies and organizations are invited. Sponsors resource conservation conferences in cooperation with state, federal and private agencies. Publication: Bulletin of the Ohio Biological Survey, irregular.

Ohio State University
OHIO COOPERATIVE WILDLIFE RESEARCH UNIT
1735 Neil Avenue
Columbus 10, Ohio — Founded 1936
Dr. Tony J. Peterle, Leader — Staff: Professional 8, Other 1

Conducts research program centered upon animal and bird life studies under joint sponsorship of university, federal and state agencies. Publication: Quarterly Report.

Oregon State College
OREGON FOREST RESEARCH CENTER
Corvallis, Oregon

Conducts studies in forest management and forest products utilization. Research centers on the establishment, protection, and administration of forest stands to improve productivity and quality of the state's forest resources.

University of Oregon
FOREST INDUSTRIES MANAGEMENT CENTER
Eugene, Oregon — Founded 1958
Dr. Norman E. Taylor, Director — Staff: Professional 2

Purposes are to promote and support basic research relating to forest industries, to train students in methodology, to publish research results, to develop a collection of library materials, to serve as a clearing center for statistical data and to offer research and counseling services to firms and groups. Sponsors frequent conferences related to center program.

University of Oregon
OREGON INSTITUTE OF MARINE BIOLOGY
Eugene, Oregon
Robert W. Morris, Director

College of the Pacific
PACIFIC MARINE STATION OF BIOLOGICAL SCIENCE
Marin County
Dillon Beach, California — Founded 1947
Dr. Joel W. Hedgepeth, Director — Staff: Professional 3, Other 2

Conducts ecological investigations of bottom fauna of Tomales Bay, plankyon and hydrographic sampling as part of California Cooperative Oceanic Fisheries Investigations and cooperates with Laboratory of Comparative Morphology of the Kaiser Foundation.

University of Puerto Rico
INSTITUTE OF MARINE BIOLOGY
College Station
Mayaguez, Puerto Rico — Founded 1954
Juan A. Rivero, Director — Staff: Professional 4, Other 5

Conducts research in marine biology and oceanography, concentrating upon the specimens which are peculiar to the region. Sponsors annual meeting of the Association of Island Marine Laboratories. Publication: Collected Reprints Institute of Marine Biology, annual.

University of Rhode Island
NARRAGANSETT MARINE LABORATORY
Kingston, Rhode Island — Founded 1937
Dr. Charles J. Fish, Director — Staff: Professional 15, Other 6

Conducts basic research studies under Naval Research sponsorship in such fields as biology of mid-Atlantic zooplankton populations, underwater sound production, marine physics, estuarine productivity and bottom sediment layer analysis. Applied efforts relate to particular fishery problems of the state. Publication: Collected Reprints, irregular.

Stanford University
GEORGE VANDERBILT FOUNDATION
Natural History Museum
Stanford, California — Founded 1954
Dr. Robert R. Rofen, Director — Staff: Professional 3, Other 5

Conducts research in tropical marine biology, especially Indo-Pacific fishes, marine life of coral reefs and atoll fish fauna. An active expedition program in Oceania and Far East is in process. Publication: Fathom, irregular.

University of Texas
INSTITUTE OF MARINE SCIENCE
Port Aransas, Texas — Founded 1941
Dr. Howard T. Odum, Director — Staff: Professional 12, Other 5

Conducts basic research on functional processes in marine environments including sections in bacteriology, botany, chemistry, geology, biological oceanography and ecology, ichthyology and fisheries. Publications: Publications of the Institute of Marine Science, annual.

Utah State University
INSTITUTE OF RENEWABLE RESOURCE MANAGEMENT
Logan, Utah
Prof. L.A. Stoddart, Chairman Founded 1958

Encourages and sponsors research in the management of renewable resources and stimulates the initiation and facilitation of financing of projects related to the region's natural resources.

Utah State University
UTAH COOPERATIVE WILDLIFE RESEARCH UNIT
Logan, Utah Founded 1935
Dr. Jessop B. Low Staff: Professional 1, Other 1

Research centers in fisheries and wildlife management. Publications are distributed covering the results of investigations. Recent efforts dealt with game birds, furbearing animals, waterfowl and marshlands. Publication: Quarterly Activity Report.

University of Washington
FISHERIES RESEARCH INSTITUTE
Seattle 5, Washington Founded 1946
Dr. William F. Royce, Director Staff: Professional 23, Other 5

Research centers on Pacific salmon of Alaska. Studies include many aspects of the life history of red (sockeye) and pink salmon. General objectives have been to determine the causes of mortality among adults, eggs, and young and how to increase the production of salmon. Recent efforts centered on the effects of logging on salmon streams in Southeast Alaska, a study of sea lions, and salmon tagging on the high seas in connection with work of the International North Pacific Fisheries Commission. Sponsors annual conference in March for the public presentation of research results. Publication: Circulars, irregular.

University of Washington
FRIDAY HARBOR LABORATORIES
201 Johnson Hall
Friday Harbor, Washington
Dr. Robert L. Fernald, Acting Director Founded 1904

Serves as the marine laboratories of the university. Studies are conducted in various facets of the sea and sea life, including ecological, experimental, morphological and septimatic work. Sponsors symposia on problems in experimental and comparative embryology, modern systematics and speciation, marine biology and comparative endocrinology.

University of Washington
INSTITUTE OF FOREST PRODUCTS
303 Anderson Hall
Seattle 5, Washington Founded 1949
Gordon D. Marckworth, Director Staff: Professional 2, Other 1

Conducts basic studies of forest products. Recent projects were related to processing of sawdust and bark to produce soil compost, marketing of wood products, new uses and wood applications, logging studies and determining new uses for waste material in the state's forests. Research results are issued in published form. Publication: New Wood Use Series, irregular.

University of Wisconsin
WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY
Science Hall
Madison 5, Wisconsin Founded 1897
George F. Hanson Staff: Professional 5, Other 3

Conducts studies of the metallic and non-metallic mineral resources, ground-water occurrence, and availability, and the soils of the state. Serves as central information clearing house and answers requests for information both from taxpayers and state agencies. Publications: Bulletins, irregular, Information Circulars, irregular.

SECTION 10—HERBARIA & BOTANICAL GARDENS

A and M College
TRACY HERBARIUM
College Station, Texas — Founded 1937
Frank W. Gould, Curator — Staff: Professional 1, Other 1

Areas of interest include taxonomy of vascular plants and biosystematics of the gramineae.

University of Alberta
McCALLA HERBARIUM AND BOTANIC GARDEN
Edmonton, Alberta, Canada
Dr. Harold J. Brodie, Head — Staff: Professional 1

Collection includes 30-40,000 sheets specializing particularly in specimens of the region. Research efforts include taxonomy, ecology and flora of Alberta.

University of Arizona
HERBARIUM
Tucson, Arizona — Founded 1891
Charles T. Mason, Jr., Curator — Staff: Professional 1, Other 1

Functions include collecting, storing and identifying plant specimens.

University of Arkansas
HERBARIUM
Department of Botany
Fayetteville, Arkansas — Founded 1875

Specializes in the regional flora. Specimens number more than 40,000.

Augustana College
HERBARIUM
Sioux Falls, South Dakota — Founded 1950
Dr. S.G. Froiland — Staff: Professional 3

Conducts research and maintains collections of prairie flora of South Dakota and adjoining states. Carries out plant distribution and taxonomy of the Black Hills flora.

Baylor University
HERBARIUM
Waco, Texas
Dr. Cornelia M. Smith, Director — Founded 1920

Maintains file of seed plants of local area for research and teaching materials. Collection includes 10,000 specimens.

Brown University
HERBARIUM
Providence 12, Rhode Island
Dr. George L. Church, Curator — Founded 1878

Areas of activity include cytogenetics of grasses, especially eastern U.S. elymus, and taxonomy of fungi: boletaceae, hydnaceae. Maintains a collection of 100,000 specimens for teaching and research reference.

Butler University
BUTLER BOTANICAL GARDEN — Founded 1919
Indianapolis, Indiana — Staff: Professional 5

Conducts scientific research program in taxonomy, mycology, agrostology and phycology. Specimens number more than 100,000.

University of California
HERBARIUM
Berkeley 4, California — Founded 1872
Dr. Herbert L. Mason, Director — Staff: Professional 5, Other 4

Houses a collection of a million and a half botanical specimens which are used for research purposes. Performs public services and carries on active exchange of specimens with some 60 institutions all over the world.

University of California
JEPSON HERBARIUM AND LIBRARY
Department of Botany
Berkeley 4, California — Founded 1950
Rimo Bacigalupi, Curator — Staff: Professional 2, Other 1

Research effort centers upon completion of unfinished portions of Jepson's "A Flora of California," left incomplete at Jepson's death.

University of California
BOTANICAL GARDEN
Los Angeles 24, California — Founded 1929
Mildred E. Mathias, Director — Staff: Professional 4

Serves a botanical research and training center for faculty and graduate botanists.

University of California
HERBARIUM
Los Angeles 24, California — Founded 1924
Dr. Carl Epling, Curator — Staff: Professional 1, Other 1

Conducts studies and maintains research collections in botanical fields.

Carleton College
ARBORETUM
Northfield Minnesota
Prof. William H. Muir

Maintains nature trails, along with type specimens available for observation and study. Introduces flora from other areas on a trial basis. Preserves certain forms of natural habitats for purposes of ecological research. Maintains nursery for new and unusual cultivated ornamentals.

Carleton College
HERBARIUM
Northfield, Minnesota
Prof. William H. Muir

Collects and analyses regional flora. Emphasis on flowering plants, but program being developed for analysis of non-flowering vascular plants.

Catholic University of America
LANGLOIS HERBARIUM
Washington 17, D.C.
Rev. Artheme Dutilly, O.M.I., Curator — Founded 1895

Conducts research in Arctic and sub-Arctic botany. A distinctive feature of the collection is its cyperaceae and Arctic and sub-Arctic plant collections.

University of Cincinnati
BOTANY HERBARIUM
Cincinnati 21, Ohio
Dr. Margaret Fulford, Curator — Founded 1920

Conducts research and issues monographs based on floristic and ecological efforts making use of the collection.

University of Colorado
HERBARIUM
Boulder, Colorado

Specializes in Colorado and western United States. Specimens number more than 65,000. Important collections include delphinium.

Colorado State University
HERBARIUM
Fort Collins, Colorado
H.D. Harrington, Curator — Founded 1890

Collects and studies flora of Colorado and flora of the Southern Rocky Mountain region.

Connecticut College
CONNECTICUT ARBORETUM
New London, Connecticut
Dr. Richard H. Goodwin, Director — Founded 1931

Maintains two natural areas totalling about 140 acres; conducts research on the bioecology of these areas and on the use of herbicides in manipulating the native vegetation. Publication: Bulletin of the Connecticut Arboretum, annual.

Cornell University
L.H. BAILEY HORTORIUM
Room 467 - A.R. Mann Library
Ithaca, New York — Founded 1935
Dr. George H.M. Lawrence — Staff: Professional 5, Other 7

Serves as a research center for the identification and naming of cultivated plants. Conducts studies in taxonomy. Maintains library and card catalogue of world taxonomy literature. Publications: Baileya, quarterly, Gentes Herbarium, irregular.

Cornell University
CORNELL PLANTATIONS
Department of Floriculture
Plant Science Building
Ithaca, New York — Founded 1935
Dr. George T. Swanson, Director — Staff: Professional 1

Conducts research activities related to azaleas and viburnum. Publication: Cornell Plantations Magazine, quarterly.

Cornell University
WIEGAND HERBARIUM
Department of Botany
Ithaca, New York — Founded 1871
Dr. Robert T. Clausen, Curator — Staff: Professional 1, Other 2

Research is concerned with the classification of seed plants, ferns, mosses, and liverworts.

Cranbrook Institute of Science
BILLINGTON HERBARIUM
Bloomfield Hills, Michigan — Founded 1935
W.P. Stoutamire, Director — Staff: Professional 1

The herbarium is limited to the flora of Michigan. Conducts research in ecology, systematics of juniperus, and of gaillardia. A new greenhouse and research garden have extended the possibilities of botanical research.

DePauw University
HERBARIUM
Greencastle, Indiana — Founded 1870
T.G. Yuncker, Curator — Staff: Professional 1

Carries on a program of taxonomic research.

Duke University
HERBARIUM — Founded 1932
Durham, North Carolina — Staff: Professional 4

Specimens number more than 130,000. Important collections are bryophytes, orchids and grasses.

University of Florida
HERBARIUM, AGRICULTURAL EXPERIMENT STATION
Gainesville, Florida
Erdman West, Director — Staff: Professional 2, Other 1

Conducts a program of collection and preservation of plants, native and introduced, in the southeastern United States and the Caribbean. Research centers on the study of these collections and the publication of reports. Fields of particular emphasis are the fungi and the flora of the state of Florida.

Ft. Hays Kansas State College
ELAM BARTHOLOMEW HERBARIUM
Hays, Kansas
Howard C. Reynolds, Curator — Founded 1931

Conducting a program on the flora of Ellis County, Kansas. Maintains special fungus collection.

University of Georgia
HERBARIUM
Department of Botany
Athens, Georgia
Wilbur H. Duncan, Curator — Founded 1930

Carries on floristic and monographic work on vascular plants, predominately of the Southeastern United States.

Grinnell College
HERBARIUM
Science Hall
Grinnell, Iowa
Dr. Ben F. Graham, Jr., Curator — Founded 1900

Research collection includes strongest representation from central Iowa.

Harvard University
ARNOLD ARBORETUM
The Arborway
Jamaica Plain 30, Massachusetts — Founded 1872
Richard A. Howard, Director — Staff: Professional 10, Other 35

Maintains a living collection of nearly 600 taxa of woody plants on 400 acres of land. Associated are an herbarium and a library. The professional staff studies woody floras of the world with particular interest in ornamental species hardy in New England. Recent studies centered on: 1) a cultivated woody flora of New England, 2) a generic flora of southeastern United States, 3) a flora of the Lesser Antilles, 4) monographic studies of Asian plants, and 5) the distribution of medicinal uses of native Asian plants. Publications: Arnoldia, monthly, Journal of the Arnold Arboretum, quarterly.

Harvard University
ATKINS GARDEN AND RESEARCH LABORATORY
Apartado 414
Cienfuegos, Cuba — Founded 1901
Dr. Duncan Clement, Director — Staff: Professional 2

Conducts research in tropical economic botany and maintains a botanic garden as a source of research material.

Harvard University
BOTANICAL MUSEUM
Oxford Street
Cambridge 38, Massachusetts — Founded 1886
Paul C. Mangelsdorf, Director — Staff: Professional 4, Other 2

Conducts research in economic botany, paleobotany and orchidology. Public exhibits of "glass flowers" and economic plant products. Publication: Botanical Museum Leaflets, irregular.

Harvard University
FARLOW LIBRARY AND HERBARIUM
20 Divinity Avenue
Cambridge, Massachusetts — Founded 1919
Dr. I. Mackenzie Lamb, Director — Staff: Professional 2, Other 1

Conducts advanced research on taxonomy and biology of cryptogamic plants (algae, fungi, lichens, and bryophytes). Consists of integrated library, herbarium, and laboratory facilities. "The most complete library in its field in the Western Hemisphere."

Harvard University
GRAY HERBARIUM
22 Divinity Avenue
Cambridge 38, Massachusetts — Founded 1864
Dr. Reed C. Rollins, Director — Staff: Professional 6, Other 4

Conducts taxonomic and evolutionary studies on higher plants primarily of the Western Hemisphere. Carries on preparation of a generic flora of southeastern United States. Issues monographic studies of various plant groups. Publications: Contributions from the Gray Herbarium of Harvard University, irregular, Gray Herbarium Card Index of New Species and Genera of Plants, irregular.

Harvard University
HARVARD FOREST
Petersham, Massachusetts — Founded 1907
Dr. Hugh Raup, Director — Staff: Professional 5, Other 2

Constitutes the physical basis for research in forestry at Harvard. Maintains a special library and a small herbarium of local flora as well as a museum.

Harvard University
ORCHID HERBARIUM OF OAKES AMES
22 Divinity Avenue
Cambridge, Massachusetts — Founded 1939
Leslie A. Garay, Curator — Staff: Professional 1

Conducts research on the taxonomy and evolution of the orchidaceae.

Idaho State College
HERBARIUM
Pocatello, Idaho — Founded 1930
Ray J. Davis — Staff: Professional 1, Other 1

Specimen and research program specializes on Idaho flora.

University of Illinois
HERBARIUM
Urbana, Illinois
G. Neville Jones, Curator — Founded 1869

Conducts botanical research and teaching program. Publication: Illinois Biological Monographs, irregular.

Indiana University
HERBARIUM
Bloomington, Indiana — Founded 1885
Prof. Charles B. Heiser, Jr. — Staff: Professional 1

Conducts fundamental research in plant taxonomy. The state flora records are kept up to date.

Iowa State University
HERBARIUM
Department of Botany
Ames, Iowa
Richard W. Pohl, Curator — Founded 1871

Conducts research, teaching and carries on public service program in taxonomy and cytotaxonomy of grasses and legumes.

State University of Iowa
HERBARIUM
Department of Botany
Iowa City, Iowa
Dr. Robert F. Thorne, Curator — Staff: Professional 1

Conducts studies of the flora of Iowa, revision of the amaranthaceous genus froelichia and of the phylogeny of vascular plants.

Kansas State University
HERBARIUM
Department of Botany and Plant Pathology
Manhattan, Kansas
Drs. L. C. Hulbert, C. L. Kramer, Curators — Founded 1877

Contains about 160,000 sheets of vascular plants and 27,000 fungi, mostly from Kansas but with world-wide representation. Used in identification of specimens for others, in teaching, and for research resulting in publications on the flora of Kansas.

University of Kansas
HERBARIUM
Department of Botany
Lawrence, Kansas — Founded 1890
Dr. Ronald L. McGregor, Curator — Staff: Professional 3

Conducts experimental taxonomy research on plants of the plains and southwestern United States and on coal-age plants of Kansas. Facilities include laboratories, herbarium, experimental greenhouse and garden.

University of Kentucky
HERBARIUM
Department of Botany
Lexington, Kentucky — Founded 1955
Prof. Dale M. Smith, Curator — Staff: Professional 11

Program includes preservation of botanical materials for a flora of Kentucky and several studies relating to floristic study.

McGill College
HERBARIUM
Department of Botany
Montreal, Quebec, Canada — Founded 1856
Dr. Paul F. Maycock, Acting Curator — Staff: Professional 1

Conducts research on Canadian and North American plants, particularly Quebec and Ontario.

University of Maine
HERBARIUM
Orono, Maine
Charles D. Richards, Director

Conducts study of the flora of Maine.

University of Manitoba
HERBARIUM
Winnipeg, Manitoba, Canada — Founded 1924
Dr. J.C. Ritchie, Curator — Staff: Professional 2

Compiles and distributes maps of vascular flora of Manitoba and an illustrated manual on the flora of Manitoba.

Massachusetts College of Pharmacy
HERBARIUM
179 Longwood Avenue — Founded 1923
Boston 15, Massachusetts — Staff: Professional 5

Worldwide specimen collection which specializes in medicinal, aromatic, insecticidal and allergenic plants.

University of Massachusetts
HERBARIUM
Amherst, Massachusetts
D.S. Van Fleet, Head — Staff: Professional 3, Other 1

Research program centers on systematics.

Michigan State University
HERBARIUM — Founded 1865
East Lansing, Michigan — Staff: Professional 6

Conducts applied research in weed identification, cytogenetic studies and ecological studies. Specialize in Michigan flora.

University of Michigan
HERBARIUM
North University Building
Ann Arbor, Michigan
Alexander H. Smith, Director — Staff: Professional 4, Other 4

Conducts research in aspects of botany bearing directly on plant classification and distribution.

University of Michigan
NICHOLS ARBORETUM — Founded 1916
Ann Arbor, Michigan — Staff: Professional 1, Other 5

Exhibits landscape materials, tests hardiness of ornamental plants and conducts habitat studies. Maintains small library.

Middlebury College
HERBARIUM
Middlebury, Vermont
Howard E. Woodin — Founded 1800

Maintains a collection of speciments, some dating back to early in the 19th century.

University of Minnesota
HERBARIUM
Department of Botany
Minneapolis 14, Minnesota — Founded 1890
Prof. Gerald B. Ownbey, Curator — Staff: Professional 2, Other 1

Conducts research in the field of systematic botany; flora of the upper midwest; and studies of special groups of plants.

University of Missouri
HERBARIUM
Department of Botany
Columbia, Missouri
Dr. David B. Dunn, Curator

Conducts research on genus lupinus and desert ecology, problems in speciation and genetics, ecology and taxonomy of grasslands, Tucker prairie and myxomycetes and myxobacteria.

Montana State College
HERBARIUM
Bozeman, Montana
W.E. Booth, Curator — Founded 1890

Efforts relate to distribution and identification of Montana plants.

Montana State University
HERBARIUM
Missoula, Montana
LeRoy H. Harvey, Curator — Founded 1909

Conducts studies of western Montana flora.

University of Montreal
MARIE-VICTORIN HERBARIUM
4101 Sherbrooke Street, East
Montreal 36, Quebec, Canada — Founded 1920
Ernest Rouleau, Head — Staff: Professional 1, Other 1

Conducts studies in the following areas: floristic inventories of the St. Lawrence Valley and Newfoundland, biosystematic studies, morphology of the flower, taxonomy and ecology of algae, study of plant communities, and vegetation of the world. Publication: Contributions of the Botannical Institute of the University of Montreal, irregular.

University of Nebraska
HERBARIUM
314 Bessey Hall
Lincoln, Nebraska
Dr. John F. Davidson, Curator — Founded 1875

Efforts include the collection, preparation, and maintenance of specimens illustrating the flora of the Great Plains, especially Nebraska.

New Mexico State University
HERBARIUM
University Park, New Mexico
William A. Dick-Peddie, Curator

Conducts a program of flora study and collection.

University of North Carolina
HERBARIUM
Chapel Hill, North Carolina — Founded 1903
J.N. Couch, Director — Staff: Professional 1, Other 1

Research efforts include preparation of a "flora of the Carolinas"; monographic studies on vascular plants primarily found in the southeastern United States. Serves as a library and research laboratory for the use of the taxonomic staff of the botany department.

North Dakota Agricultural College and Experiment Station
HERBARIUM
State College Station
Fargo, North Dakota — Founded 1890
Prof. David Ross Moir — Staff: Professional 1

Conducts a program of collection of vascular plants within the state, being inserted at rate of about 1000 sheets per year. Active exchange program maintained, with emphasis on upper mid-west flora. Aproximately 50,000 sheets now in herbarium.

University of Notre Dame
HERBARIUM
Notre Dame, Indiana
Robert McIntosh, Curator

Maintains a collection used for research analysis by visiting and resident scientists.

Oberlin College
HERBARIUM
Botanical Laboratory
Oberlin, Ohio
Dr. George T. Jones, Curator — Founded 1889

Functions as an adjunct of the Department of Botany for teaching and research. Loans are made to specialists studying particular genera or families of plants.

Oklahoma State University
HERBARIUM
Department of Botany
Stillwater, Oklahoma
U.T.Waterfall, Curator

Conducts continuous study of the flora of Oklahoma and related areas. Issues miscellaneous monographic publications.

University of Oklahoma
BEBB HERBARIUM
Norman, Oklahoma
Geo. J. Goodman, Curator — Founded 1920

Conducts studies on the flora of the prairies and plains of the central United States.

Oregon State College
HERBARIUM — Founded 1886
Corvallis, Oregon — Staff: Professional 3

Conducts applied research and pure research on tuberales and phanerograms. Specializes in northwestern region. Specimens number more than 125,000.

University of Oregon
HERBARIUM
Eugene, Oregon — Founded 1922
LeRoy E. Detling, Curator — Staff: Professional 1

Conducts floristic studies of the Pacific Northwest and issues occasional monographic works.

Pennsylvania State Teachers College
DARLINGTON HERBARIUM — Founded 1826
West Chester, Pennsylvania — Staff: Professional 1

Small but historically important collection of 12,000 specimens.

Pennsylvania State University
HERBARIUM
University Park, Pennsylvania — Founded 1872

Collects North American plants (general) and conducts studies in the flora of Pennsylvania.

University of Pennsylvania
HERBARIUM — Founded 1892
Philadelphia, Pennsylvania — Staff: Professional 1

Specializes in the Atlantic coast region. Specimens exceed 250,000.

University of Pennsylvania
MORRIS ARBORETUM
9414 Meadowbrook Lane
Philadelphia 18, Pennsylvania — Founded 1933
Dr. John M. Fogg, Jr., Director — Staff: Professional 4, Other 13

Conducts studies with woody ornamental plants (test for hardiness, control of diseases, propagation, etc). Publication: Quarterly Bulletin.

Pomona College
HERBARIUM
Claremont, California — Founded 1905
Dr. Lyman Benson, Head — Staff: Professional 1

Conducts research on all phases of plant taxonomy and distribution.

Rutgers-The State University
RUTGERS DISPLAY GARDENS
Blake Hall - Nichol Avenue
New Brunswick, New Jersey — Founded 1929
Prof. William E. Snyder — Staff: Professional 4, Other 3

Conducts studies of propagation and culture of ornamental plants, breeding and testing of certain groups; holly, iris, yew, etc. Sponsors conferences and short courses.

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Dr. Lyman Benson, Head — Staff: Professional 1

Conducts research on all phases of plant taxonomy and distribution.

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Blake Hall - Nichol Avenue
New Brunswick, New Jersey — Founded 1929
Prof. William E. Snyder — Staff: Professional 4, Other 3

Conducts studies of propagation and culture of ornamental plants, breeding and testing of certain groups; holly, iris, yew, etc. Sponsors conferences and short courses.

Sam Houston State College
WARNER-McLEOD HERBARIUM
Huntsville, Texas — Founded 1924
C.A. McLeod — Staff: Professional 1

Conducts studies of flora and taxonomic research.

Smith College
HERBARIUM
Northampton, Massachusetts
Robinson S. Abbott, Curator — Founded 1875

Collects identifies and files botanical materials used in the research and teaching program.

South Dakota State College
HERBARIUM
Brookings, South Dakota
Prof. C.A. Taylor — Founded 1891

Collects and studies flora of South Dakota and grasses of Central North America. Collection contains 15,000 specimens, including cryptograms.

University of South Dakota
HERBARIUM
Botany Department
Vermillion, South Dakota
John M. Winter, Head

Research centers on a survey of the vascular flora of the state of South Dakota.

University of Southern California
HERBARIUM
The Allan Hancock Foundation — Founded 1946
Los Angeles 7, California — Staff: Professional 4

Collection centers on marine algae of the Pacific Coast and the entire world. Research efforts are issued as monograph reports.

Southern Methodist University
HERBARIUM
Dallas 5, Texas — Founded 1944
Dr. Lloyd H. Shinners, Director — Staff: Professional 1, Other 1

Studies relate to plant taxonomy and ecology, plant geography and economic botany, centering on the flora of the gulf southwest, southeastern United States, history of American botany and compositae of North America. A major part of an extensive library on systematic botany is housed with the Herbarium.

Sul Ross State College
HERBARIUM
Alpine, Texas — Founded 1920
Dr. Barton H. Warnock, Director — Staff: Professional 1

Conducts studies of the flora of the trans-Pecos. Have around 20,000 plants, primarily from the immediate area. Cyto-taxonomic work is conducted on a limited scale.

University of Tennessee
TENNESSEE HERBARIUM
Knoxville 16, Tennessee — Founded 1888
Aaron J. Sharp, Curator — Staff: Professional 1

Conducts research on the flora of Tennessee and of the Southern Appalachians on the relationship between the flora of Mexico and that of eastern United States and on the flora of the Arctic slope in Alaska. Collection includes approximately 100,000 sheets of vascular plants, 30,000 packets of bryophytes, 25,000 collections of fungi, 2,000 packets of algae and about 2,000 collections of lichens, mostly from Tennessee. Sponsors the Wildflower Pilgrimage held in the Great Smoky Mountains the last weekend in April of each year. Publication: Contributions from the Botanical Laboratory of the University of Tennessee, irregular.

Texas Technological College
E.L. REED HERBARIUM
Box 4149 Tech Station
Lubbock, Texas — Founded 1930

Seeks to establish collection of flowering plants of the Texas Panhandle and South Plains as well as the moss flora and the preparation of a regional flora.

University of Texas
HERBARIUM
Biological Labs Building
Austin 12, Texas
Prof. B.L. Turner, Director — Founded 1900

Conducts all phases of botanical research at the basic level which may be used in clarifying phyletic relationships of plant groups.

University of Toronto
CRYPTOGAMIC HERBARIUM
Department of Botany
Toronto 5, Ontario, Canada
Prof. Roy F. Cain, Curator

Conducts research on the taxonomy of ascomycetes and basidiomycetes and cryptogamic flora of Ontario.

University of Utah
HERBARIUM
Salt Lake City 12, Utah
Dr. Robert K. Vickery — Founded 1930

Recent studies centered upon moss flora of Utah, ecology of the Wasatch Mountains, and cytogenetical studies of the genus minulus.

University of Vermont
PRINGLE HERBARIUM
Burlington, Vermont — Founded 1900
Prof. H.W. Vogelmann, Curator — Staff: Professional 1

Conducts research on and collects Vermont flora, arctic-alpine floras, and Mexican flora.

University of Virginia
ORLAND E. WHITE ARBORETUM
Boyce, Virginia — Founded 1938
W. S. Flory, Jr., Curator — Staff: Professional 2, Other 3

Conducts studies of adaptability of temperate zone plants to Northern Virginia, cold tolerance of warmer zoned plants in Northern Virginia, cytogenetics, phylogeny and evolution of woody plants, and interspecific and intergeneric hybridization of woody ornamentals.

Washington State University
HERBARIUM
Pullman, Washington
Prof. Marion Ownbey — Founded 1890

Preparing a flora of the Pacific Northwest. Issues monographic studies on allium and tragopogon and offers professional services.

Washington State University
MYCOLOGICAL HERBARIUM
Department of Plant Pathology
Pullman, Washington — Founded 1917
Charles Gardner Shaw, Director — Staff: Professional 1

Catalogs and describes the fungi of the Pacific Northwest, with particular interest on the smuts (ustilaginales) and the downy mildews (peronosporaceae).

University of Washington
HERBARIUM
Department of Botany
Seattle 5, Washington — Founded 1880
C. Leo Hitchcock, Curator — Staff: Professional 6

Specialization in research on flora of N.W. United States (vascular plants, mosses, liverworts, lichens, and fleshy fungi). In progress: a five volume illustrated flora of the Pacific Northwest ("Vascular Plants of the Pacific Northwest"). Studies cytotaxonomy of vascular plants of western United States. Publication: University of Washington Publications in Biology, irregular.

Wellesley College
ALEXANDRA BOTANIC GARDEN AND HUNNEWELL ARBORETUM
Department of Botany and Bacteriology
Wellesley 81, Massachusetts — Founded 1921

Maintains specimens and conducts studies of the collection.

Wellesley College
HERBARIUM
Wellesley 81, Massachusetts — Founded 1905

Collects and maintains specimen collection.

West Virginia University
HERBARIUM
Department of Biology
Morgantown, West Virginia — Founded 1889
Dr. Earl L. Core, Curator — Staff: Professional 2

Collects and conducts studies of West Virginia flora specimens. Have started a seed herbarium to use in seed identification. Publication: Contributions from the Herbarium, irregular.

William Jewell College
HERBARIUM
Liberty, Missouri
L.J. Gier, Curator — Founded 1877

Conducts studies of local flora and the effects of microenvironment on species.

University of Wisconsin
ARBORETUM — Founded 1932
Madison 6, Wisconsin — Staff: Professional 1

Conducts ecological studies and maintains outdoor laboratory with specimens featuring evergreens, woody trees, prairie studies and wild flowers.

University of Wisconsin
HERBARIUM
Department of Botany
Madison, Wisconsin
Dr. Hugh H. Iltis, Curator — Staff: Professional 5, Other 1

Conducts research in the flora of Wisconsin, with eventual publication of a flora of the State as the aim. Sponsors monographic studies in critical genera of North American and North Temperate genera, as well as in certain tropical groups. Carries on identification service for plants sent in by interested persons in Wisconsin. Collection contains 350,000 specimens.

University of Wyoming
ROCKY MOUNTAIN HERBARIUM
Nelson Building
Laramie, Wyoming
Dr. C.L. Porter, Curator — Founded 1894

Collection contains more than 260,000 specimens. Services include plant identification and loan service. Research is directed toward the development of a flora of Wyoming. Publication: Rocky Mountain Herbarium Leaflets, irregular.

Yale University
HERBARIUM
Osborn Botanical Laboratory
New Haven, Connecticut
John R. Reeder, Curator — Founded 1895

Research centers in the field of plant taxonomy and is organized around the extensive collection of specimens.

Yale University, School of Forestry
SAMUEL JAMES RECORD MEMORIAL COLLECTION
New Haven 11, Connecticut — Founded 1916
William L. Stern, Curator — Staff: Professional 2

Conducts research in the dendrology and anatomy of the wood of tropical woody plants, botanical exploration in the tropics, curatorial work on a collection of over 53,000 wood specimens and 25,000 herbarium specimens, offers services to scientists interested in systematic studies of the woods and herbarium specimens of tropical woody plants. Publication: Tropical Woods, semi-annual.

Yale University
MARSH BOTANICAL GARDEN — Founded 1900
New Haven, Connecticut — Staff: Professional 1, Other 2

Conducts botanical investigations and research, specializing in evergreens, woodtrees and shrubs.

SECTION 11—LIFE SCIENCES

Arizona State University
POISONOUS ANIMALS RESEARCH LABORATORY
Tempe, Arizona — Founded 1942
Dr. Herbert L. Stahnke, Director — Staff: Professional 3

Manufacturers and distributes scorpion antivenin for the scorpions, centruroides sculpturatus and C. gertschi which are distributed gratis to Arizona physicians. Research on comparative venomology including both vertebrates and invertebrates with emphasis on the venomous animals of the Southwest and the general biology of venomous animals. Maintains colonies of venomous animals from which venom extracts are prepared. "The only laboratory dealing in comparative venomology of terrestrial animals in the United States." Annual Open House in the fall when public lectures on venomous desert animals are given. Monthly research seminars for the staff and visiting scientists.

University of Arizona
ARIZONA POISONING CONTROL INFORMATION CENTER
College of Pharmacy
Tucson, Arizona
Albert L. Picchioni, Director — Founded 1957

Provides information on toxicology to the physicians of the state of Arizona and to the 19 Arizona Hospital Poisoning Control Treatment Centers. Carries on acute toxicity studies in experimental animals to determine potential toxicity of Arizona ornamental plants. Publication: News Bulletin, monthly.

University of British Columbia
DEPARTMENT OF NEUROLOGICAL RESEARCH
Faculty of Medicine
Vancouver 8, British Columbia, Canada — Founded 1950
Dr. William C. Gibson, Chairman — Staff: Professional 10, Other 1

Conducts metabolic investigations into mentally ill and mentally retarded individuals - identification of aromatic urinary constituents; studies of the biological effects of body fluids of mentally ill individuals; investigations into mechanisms of epilepsy. Genetic studies in mice with muscular dystrophy and neurohistological studies of fiber tracts in the brain.

Brooklyn College
BIOLOGY RESEARCH LABORATORY
Bedford and Avenue H
Brooklyn 10, New York — Founded 1949
Prof. Harry G. Albaum — Staff: Professional 2, Other 1

Conducts biochemical research efforts supported by government agencies and industrial sponsors. Research is also carried on electron microscopy, cytology and invertebrate zoology.

Brown University
INSTITUTE FOR RESEARCH IN THE HEALTH SCIENCES
Box 1910
Providence 12, Rhode Island
Glidden L. Brooks, M.D., Director — Founded 1957

Sponsors and coordinates university studies in all of the fields of health and medicine.

University of Buffalo
CHRONIC DISEASE RESEARCH INSTITUTE
2211 Main Street
Buffalo 14, New York — Founded 1950
Simon Rodbard, M.D., Director — Staff: Prof. 31, Other 71

Research is centered upon the factors of heart disease. Investigations include clinical and epidemiologic studies, surveys of occupational and dietary patterns, development of diagnostic procedures, physiological analyses, hormonal and drug studies and various other laboratory, animal and human studies.

University of Buffalo
VIROLOGY LABORATORY
School of Medicine
Buffalo 14, New York — Founded 1952
David T. Karzon, M.D., Director — Staff: Professional 12, Other 2

Conducts basic research concerning the biological properties of the enterovirus group; the relationship of canine distemper virus and measles; the effect of properdin on animal viruses and bacteriophage. Carries on a program of diagnostic virology for the County of Erie, New York.

California Institute of Technology
WILLIAM G. KERCKHOFF LABORATORIES OF THE BIOLOGICAL SCIENCES
Pasadena, California — Founded 1928

Conducts a wide range of studies of plant and animal biology.

University of California
CANCER RESEARCH GENETICS LABORATORY
230 EWH
Berkeley 4, California — Founded 1950
Prof. K.B. DeOme, Director — Staff: Professional 10, Other 15

Conducts research on the nature of the neoplastic transformation, especially in the mammary gland of the mouse. Maintains an in-bred mouse colony and sells, at cost, such mice to cancer research workers, maintains mouse tumor bank.

University of California
DONNER LABORATORY OF BIOPHYSICS AND MEDICAL PHYSICS
Berkeley 4, California — Founded 1941
John H. Lawrence, M.D., Director — Staff: Professional 90, Other 49

Concerned with the solution of biological and medical problems with the aid of the knowledge and techniques of the basic sciences, especially physics, chemistry and methematics. Major program areas of research include: atomic and nuclear, molecular, cellular, physiology and metabolism, human physiology and metabolism, human physiology and medicine.

University of California
HORMONE RESEARCH LABORATORY
4597 Life Sciences Building
Berkeley 4, California — Founded 1950
Dr. C.H. Li, Director — Staff: Professional 24, Other 4

Conducts research on the chemistry and biology of hormones from the interior and intermediate lobes of the pituitary gland. Recent efforts have centered on obtaining the hormones in their purist form and accomplishing their chemical synthesis. Trains investigators in the techniques of protein chemistry and indocrinology. Serves as supply center for highly purified pituitary hormones for biological and clinical investigations at other institutions.

University of California
INSTITUTE FOR CARDIOVASCULAR RESEARCH
1317 Herbert C. Moffitt Hospital
Berkeley 4, California
Julius H. Comroe, Jr., Director

University of California
LABORATORY OF INSECT PATHOLOGY
Berkeley 4, California — Founded 1945
Dr. Edward A. Steinhaus, Director — Staff: Professional 4, Other 12

Investigates the nature of microbial diseases in insects, the effects of these diseases on insect populations, and the use of these diseases in the control of insect pests. Conducts diagnostic service to identify insect diseases and their causative agents. Maintains program of instruction in insect pathology and microbial control, and in insect microbiology.

University of California
NAVAL BIOLOGICAL LABORATORY
Berkeley 4, California — Founded 1946
Dr. Carl Lamanna, Scientific Director — Staff: Prof. 43, Other 32

Program is designed to study selected epidemiologic characteristics and aerobiologic behavior of disease agents, with emphasis on the respiratory route of infection; develop and improve diagnostic, prophylactic, and therapeutic procedures in conjunction with studies of airborne contagion; develop expertness in the bacteriology of diseases alien to the United States but to which naval personnel are exposed at foreign duty stations; conduct basic studies in microbiology and related subjects, including physiology, biochemistry, and genetics. Publication: Technical Progress Report, semi-annual.

University of California
VIRUS LABORATORY
Berkeley 4, California — Founded 1948
Dr. Wendell M. Stanley, Director — Staff: Prof. 36, Other 22

Studies the isolation and purification of human, plant, animal, and bacterial viruses and conducts fundamental chemical and physical studies on these and related materials such as nucleic acids; cultivates human normal and cancer cells in tissue culture and analyzes the effects of different viruses on such cells; attempts to develop new electron microscope and ultracentrifugation techniques. Sponsors Annual All-University of California Virology Conference, Annual Animal Virology Conference.

University of California
LABORATORY OF NUCLEAR MEDICINE AND RADIATION BIOLOGY
10875 Le Conte Avenue
Los Angeles 24, California — Founded 1947
Joseph F. Ross, M.D., Director — Staff: Professional 33, Other 116

Conducts research in the medical aspects of radioactivity.

University of California
LOS ANGELES COUNTY HEART ASSOCIATION CARDIOVASCULAR INSTITUTE
Medical Center A2-072
Los Angeles 24, California — Founded 1956
Prof. W. F. H. M. Mommaerts, Director — Staff: Professional 8, Other 1

Conducts basic research in areas related to the understanding of the function and pathology of the heart. These activities are in the borderline field of biochemistry, biophysics and physiology with point of contact with pathology and experimental medicine.

University of California
BIOMECHANICS LABORATORY
Medical Center
San Francisco 22, California — Founded 1957
Verne T. Inman, M.D., Chairman — Staff: Professional 7, Other 25

Conducts continuing projects in the fields of prosthetics, orthotics and orthopaedics, including such areas as research in fundamental human locomotion, amputation effects viewed medically, surgically and psychologically, and design and development of lower extremity prostheses. An outgrowth of the Prosthetic Devices Research Project initiated at Berkeley in 1946, and the Biomechanics Group which met on the San Francisco campus from 1947 to 1953. Publication: Quarterly Report.

University of California
CANCER RESEARCH INSTITUTE
1282 Herbert C. Moffitt Hospital
San Francisco, California
David A. Wood, Director

University of California
CARDIOVASCULAR RESEARCH INSTITUTE
Medical Center
San Francisco 22, California — Founded 1958
Julius H. Camroe, Jr., M.D., Director — Staff: Prof. 45, Other 35

Conducts basic research on cardiovascular, pulmonary, and renal systems by members of 13 basic medical science and clinical departments. Offers training program in cardiovascular and pulmonary research.

University of California
ELECTROENCEPHALOGRAPHY LABORATORY
Medical Center
San Francisco 22, California — Founded 1941
Robert B. Aird, M.D., Director — Staff: Professional 1, Other 5

Conducts electro-physiological research and diagnosis. Recent studies have included clinical and laboratory analyses of the brain (using rats, cats and human beings as experimental subjects), studies of epilepsy, and long term studies on the value of serial electroencephalography in various neurological conditions.

University of California
METABOLIC UNIT FOR RESEARCH IN ARTHRITIS & ALLIED DISEASES
532 Parnassus Avenue
San Francisco 22, California — Founded 1951
Peter H. Forsham, M.D., Director — Staff: Professional 6, Other 15

Conducts basic metabolic research in the field of endocrinology and metabolism, especially adrenal cortical hormones, collagen diseases, growth hormone and derivatives, cholesterol lowering thyroid analogues and diabetes.

University of California
FRANCIS I. PROCTOR FOUNDATION FOR RESEARCH IN OPHTHALMOLOGY
Medical Center
San Francisco 22, California — Founded 1948
Phillips Thygeson, M.D. — Staff: Professional 3, Other 12

Conducts research in all of the basic medical and clinical sciences which relate to ophthalmology.

University of California
RADIOACTIVITY RESEARCH CENTER
3rd and Parnassus Avenues
San Francisco 22, California
Kenneth G. Scott, Director — Staff: Professional 2, Other 5

Program includes research consultation and authorization of applications for the use of isotopes. More than fifty separate studies were recently in progress in the areas of medicine, pharmacy and dentistry.

University of California
RADIOLOGICAL LABORATORY
Medical Center
San Francisco 22, California — Founded 1949
Robert S. Stone, M.D., Director — Staff: Professional 6, Other 14

Conducts investigations which seek to develop improved methods of radiation treatment of cancer. Particular attention is devoted to the use of the 70-Mev syncroton as a source of x-ray and electrons. The clinical radiology section selects and observes patients. The physics section concentrates on the instrument and the biology section studies the response of biological systems to radiation. The program is under United States Atomic Energy Commission sponsorship.

University of California
RADIOLOGICAL RESEARCH LABORATORY
Medical Center
San Francisco 22, California — Founded 1956
Earl R. Miller, M.D. — Staff: Professional 1, Other 2

Research is dedicated to finding the most effective use of ionizing radiation in roentgen diagnosis. Work is conducted on measurement of radiation dose, x-ray spectrometry, image intensification, TV fluoroscopy, x-ray movies and dichromography.

University of Chicago
ARGONNE CANCER RESEARCH HOSPITAL
5824 S. Ellis Avenue
Chicago 37, Illinois — Founded 1953
Leon O. Jacobson, M.D., Director — Staff: Professional 92, Other 61

Engages in research activities concerned with the application of various forms of radiant energy in the treatment of cancer and with the extension of the use of radioisotopes both as therapeutic measures and as tools for research in the field of cancer and fundamental life processes.

University of Chicago
LA RABIDA INSTITUTE
Jackson Park at East 65th Street
Chicago 49, Illinois — Founded 1957
Albert Dorfman, Director — Staff: Prof. 8, Other 15

Research program is primarily concerned with investigation of rheumatic diseases both from a clinical and basic science point of view. The program has had special emphasis on the problem of connective tissue physiology and chemistry.

University of Chicago
BEN MAY LABORATORY FOR CANCER RESEARCH
950 East 59th Street
Chicago 37, Illinois — Founded 1951
Dr. Charles B. Huggins, Director — Staff: Professional 25, Other 25

Research efforts center upon the following areas: cancer research, steroid chemistry, steroid biochemistry, and steroid physiology.

University of Colorado
CANCER RESEARCH FOUNDATION
Boulder, Colorado
Edward D. Crabb, Director

Columbia University
INSTITUTE OF RESEARCH AND SERVICE IN NURSING EDUCATION
525 West 120th Street
New York 25, New York — Founded 1953
Dr. R. Louise McManus, Director — Staff: Professional 16, Other 3

Conducts research and offers field service on selected problems in nursing and nursing education. Disseminates results of research undertaken. Assists in the preparation of nurses for the conduct of research in nursing. Sponsors periodic conferences on on-going research efforts.

University of Connecticut
INSTITUTE OF CELLULAR BIOLOGY
Storrs, Connecticut — Founded 1958
Hugh Clark, Director — Staff: Professional 1, Other 8

Conducts research in the structure and physiology of the cell, chemistry and physiology of development, genetics, bacterial physiology, virology, plant physiology, mycology, and algology. Research is closely integrated with graduate student training. Annual symposium on some aspect of cellular biology; bi-weekly conference on cellular biology; invited guest lecturers. Publication: Bulletin of Institute of Cellular Biology, biweekly.

University of Connecticut
INSTITUTE OF GERONTOLOGY
Storrs, Connecticut — Founded 1957
Dr. Donald P. Kent, Director — Staff: Professional 1, Other 1

Conducts and encourages research in the fields of aging and retirement, publishes material for professional workers and others interested and sponsors programs of training and adult education in gerontology. Publication: Aging in Connecticut, quarterly.

University of Connecticut
PHARMACY RESEARCH INSTITUTE
Storrs, Connecticut — Founded 1958
Dr. Harold G. Hewitt, Director — Staff: Professional 6, Other 1

Concerned with basic and applied research involving problems of public health and purposes. Seeks to develop research programs in cooperation not only with other departments of the university, but with industrial concerns, professional organizations and state and federal agencies.

Cornell University
FIELD BIOLOGICAL STATION
RD #1
Kirkville, New York — Founded 1956
Dr. Gustav A. Swanson, Director — Staff: Professional 1, Other 3

Major research is centered on biological activity and is concerned with the fishery of Oneida Lake on which station is located. Other research projects on the 400 acre tract or using it as a base have been: survey of the higher plants and establishment of an herbarium collection, two surveys of the vertebrates, a continuing study of tree swallow populations, a study of lichen ecology, a detailed soil survey and map, experimental plantings and ecological studies of several species of woody plants – varities of willows and hybrid poplars, and several conifers, and a study of the aquatic molluscs.

Cornell University
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH
410 East 68th Street
New York 21, New York — Founded 1945
Dr. Frank L. Horsfall, Jr., Director — Staff: Prof. 300, Other 700

Research is designed to bring about the ultimate cure and prevention of cancer in man. Among the major divisions are those investigating chemotherapy, steroid hormones, nucleoprotein chemistry and experimental pathology. Publication: Sloan-Kettering Institute Biennial Report.

Cornell University
VETERINARY VIRUS RESEARCH INSTITUTE
New York State Veterinary College
Ithaca, New York — Founded 1950
Dr. James A. Baker, Director — Staff: Professional 8, Other 25

Research is aimed at the solution of infectious diseases of animals including dogs. Whenever possible fundamental information is formulated into practical programs to reduce incidence of disease and thereby improve the health and productivity of the animal population. Sponsors seminar series.

Duke University
REGIONAL CENTER FOR THE STUDY OF AGING
Durham, North Carolina
Ewald W. Busse, M.D., Director — Founded 1957

Encourages and supports fundamental research concerned with the health problems of aging and the development of a source of scientific knowledge for governments and private groups. Research of an interdisciplinary nature is conducted in fields such as psychology, sociology and economics as well as medicine. Studies are supported by grants from the United States Public Health Service. Sponsors monthly seminars which are later published in proceedings volumes. Publication: Annual Progress Report.

Earlham College
DAVID WORTH DENNIS BIOLOGICAL STATION
Richmond, Indiana
Dr. Murvel R. Garner — Founded 1946

Conducts a program of research and teaching in fresh water biological studies.

Florida Southern College
A.P. COOKE MEMORIAL CANCER LABORATORY
Lakeland, Florida — Founded 1953
Dr. Boris Th. Sokoloff, Director — Staff: Professional 5, Other 2

Screens various antitumor drugs and compounds on ascites and solid tumors, and leukemia. Since all anti-tumor drugs so far discovered are toxic, much attention is given to elaborating substances which would reduce the toxicity of these drugs. Special project: Mitomycin C. Results are published in scientific journals.

Florida Southern College
SOUTHERN BIO-RESEARCH INSTITUTE
Lakeland, Florida — Founded 1946
Dr. Boris Th. Sokoloff, Director — Staff: Professional 12

Research in the following areas: isolation and synthesis of antiviral compounds and factors; penicillin-resistant germs and an attempt to prepare inhibitors of penicillinase; highly unsaturated fatty acids and anticholesteremic compounds, their preparation and experimental testing; anti-inflammatory factors and capillary fragility; effect of viruses on the capillary wall. Papers based upon research are published.

University of Florida
BUREAU OF PROFESSIONAL RELATIONS
College of Pharmacy
Gainesville, Florida — Founded 1940
P.A. Foote, Director — Staff: Professional 1, Other 1

Conducts a program designed to better acquaint pharmacy and medicine with each other, to develop better prescription combinations, to serve as an informational clearing center and to issue an accepted Florida formulary. Sponsors conferences, meetings and training sessions. Publication: Professional Relations Bulletin, irregular.

University of Florida
CANCER RESEARCH LABORATORY
Gainesville, Florida — Founded 1947
Dr. Francis E. Ray — Staff: Professional 15, Other 1

Conducts studies in chemical carcinogenesis, metabolism and chemotherapy and in the localization of radioactive compounds in tumors.

Gallaudet College
CENTRAL INDEX OF RESEARCH ON THE DEAF
Washington 2, D.C. — Founded 1957
Dr. Stephen P. Quigley, Director — Staff: Professional 2, Other 3

Indexes and abstracts literature on deafness and the deaf, and conducts a program of psychological, sociological and educational research on the deaf.

Gallaudet College
LINGUISTICS RESEARCH LABORATORY
Washington 2, D.C. — Founded 1957
Dr. William C. Stokoe, Jr., Director — Staff: Professional 1

Pursues basic research in the linguistic structure of the communication of the deaf. Seeks application of knowledge of structure of English, sign language, and other visual communication to the problems of teaching the deaf. Publication: Gallaudet College Research Monographs, irregular.

Georgetown University
CHEMO-MEDICAL RESEARCH INSTITUTE
Department of Chemistry
Washington 7, D. C. — Founded 1931
Michael Xavier Sullivan — Staff: Professional 1

Studies relation of organic sulfur compounds to vital activities, health and disease; development of other more sensitive and specific tests for body constituents; application of chemical tests to diseased conditions, cancer in particular. Sponsors seminar in conjunction with American Society of Biological Chemists and American Chemical Society.

Hahnemann Medical College and Hospital
CARDIOVASCULAR INSTITUTE
230 North Broad Street
Philadelphia 2, Pennsylvania
Joseph R. Di Palma, M.D., Director — Founded 1950

Work is centered in the area of coronary circulation, arteriosclerosis, experimental cardiovascular surgery, anatomy, physiology of cardiac conduction, blood coagulation, experimental x-ray techniques and the pharmacology of antiarrhythmic drugs. Seminars are conducted from time to time and yearly general symposia are held. The Cardiovascular Institute has served to integrate and encourage research and teaching in cardiovascular diseases. Of especial interest and value is the summer fellowship research program for medical students, premedical students and high school students. Publication: Selected Reprints, irregular.

Harvard University
HOWE LABORATORY OF OPHTHALMOLOGY
243 Charles Street
Boston 14, Massachusetts — Founded 1927
David G. Cogan, M.D., Director — Staff: Professional 10, Other 14

Seeks to advance ophthalmology but its researches are not restricted to any particular phase of this science.

Harvard University
MUSEUM OF COMPARATIVE ZOOLOGY
Oxford Street
Cambridge 38, Massachusetts
Dr. A. S. Romer, Director — Staff: Prof. 15, Other 28

Conducts research in various areas of zoology and paleontology, including systematics, morphology, evolution, zoogeography, ecology and behavior.

Harvard University
PSYCHO-ACOUSTIC LABORATORY
Memorial Hall
Cambridge 38, Massachusetts — Founded 1941
Dr. S.S. Stevens, Director — Staff: Professional 2, Other 4

Conducts research in psychological and physiological acoustics, with special reference to voice communication, the effects of masking on speech communication, the psychology of hearing, and the physiological nature of the auditory process. Constructs sensory scales, with special reference to the attribute of subjective brightness.

Illinois Institute of Technology
PARMLY FOUNDATION FOR AUDITORY RESEARCH
3322 South Dearborn Street-Technology Center
Chicago 16, Illinois — Founded 1943
Peter J. Mills, Director — Staff: Professional 3, Other 1

Conducts a program of research involving a multidisciplinary approach to the hearing act. Each discipline describes its findings for each step in the hearing sequence. The primary emphasis is on the steps in man occurring in the cerebral and psychic areas.

University of Illinois
BIOPHYSICAL RESEARCH LABORATORY
Department of Electrical Engineering
Urbana, Illinois — Founded 1954
William J. Fry, Research Professor — Staff: Prof. 10, Other 10

Seeks to elucidate the structure and functioning of biological systems through the use of engineering techniques. Research interests center on the use of ultrasonics, the organization and operation of biological systems, study of the physical properties of such systems, the applications of ultrasound to neurological disorders, electron microscope study of ultrasonically irradiated muscle, and the correlation of ultrasonically induced brain changes with behavior. Sponsors International Symposia on Ultrasound in Biology and Medicine and Biophysical Research Seminars. Publication: Scientific Publications, irregular.

University of Illinois
DRUG AND HORTICULTURAL EXPERIMENT STATION
College of Pharmacy and College of Agriculture
P. O. Box 58
Downers Grove, Illinois — Founded 1946
Dr. Ralph F. Voigt, Director — Staff: Professional 2, Other 2

Conducts research efforts of a long term, basic nature. Recent area of study included a study of the growth of belladonna, field study of pyrethrum, culture of mushroom species, chemical weed control and variety trials of vegetable crops.

University of Illinois
ELECTROENCEPHALOGRAPHY LABORATORY
912 South Wood Street
Chicago 12, Illinois — Founded 1944
Prof. Frederic A. Gibbs, M.D. — Staff: Professional 1, Other 7

Conducts investigations of clinical correlates of electroencephalographic abnormalities, psychophysiology and research on epilepsy and organic brain disease.

University of Illinois
PHYSICAL ENVIRONMENT UNIT
208 Mechanical Engineering Laboratory
Urbana, Illinois — Founded 1947
Dr. M.K. Fahnestock, Chairman — Staff: Professional 1, Other 1

Activities are related to human environmental physiology. Recent research efforts have included studies of effects of fiber content of civilian clothing on thermal comfort, levels of temperature, humidity and air velocity on the thermal comfort of workers, and effects of temperature, humidity and air velocity on energy cost of doing physical work. Research results appear in articles in scholarly journals.

Indiana University
BIOLOGICAL STATION
Winona Lake, Indiana
Prof. Shelby D. Gerking — Founded 1895

Conducts research investigations of aquatic life. Program was recently being reorganized with a larger program contemplated for the future.

Indiana University
INSTITUTE OF PSYCHIATRIC RESEARCH
School of Medicine
1100 W. Michigan Street
Indianapolis 7, Indiana — Founded 1956
John I. Numberger, M.D. Director — Staff: Prof. 12, Other 26

Clinical and basic staff are exploring various physical (biochemical, biophysical, pharmacological, and psychological) and psychological-social-cultural determinance characteristics of behavior in animal organisms and in normal and disturbed humans. Publication: Journal of the Experimental Analysis of Behavior, monthly.

Iowa State University
VETERINARY MEDICAL RESEARCH INSTITUTE
Ames, Iowa — Founded 1926
Dr. E.V. Morse, Associate Director — Staff: Professional 12, Other 14

Concentrates upon study of diseases of domesticated animals—many of which are transmissable to man. Metabolic disorders or animals also studied with emphasis upon radio tracers and radiation. Research is correlated with graduate student training particularly in the areas of infectious diseases, biochemistry, and metabolic disorders.

State University of Iowa
COUNCIL ON SPEECH PATHOLOGY AND AUDIOLOGY
Iowa City, Iowa
James F. Curtis

Coordinates the program of research and service of the various departments bearing upon problems of speech and hearing handicaps.

State University of Iowa
INSTITUTE OF GERONTOLOGY
26 Byington Road
Iowa City, Iowa — Founded 1952
Dr. Woodrow W. Morris, Director — Staff: Professional 1, Other 2

Conducts and coordinates research, service and training activities on the problems of aging. Serves as information center in the collection and dissemination of data related to gerontology and stimulates interdisciplinary studies at the university. Sponsors annual statewide conference. Publication: Bulletin, "Adding Life to Years.", monthly.

State University of Iowa
PINE SCHOOL RESEARCH PROJECT
Child Development Clinic - University Hospitals
Iowa City, Iowa — Founded 1957
Dr. Marlin H. Roll, Educ. Director — Staff: Professional 6, Other 1

Conducts a longitudinal study of mentally retarded children. Effects are carried out on an interdisciplinary basis between the medical and social sciences as a cooperative project of the colleges of medicine and education.

State University of Iowa
PREVENTIVE PSYCHIATRY RESEARCH PROGRAM
Iowa City, Iowa

Conducts investigations in the physiological factors associated with mental illness and reviews the physiological, biological, sociological and educational literature to develop a comprehensive perspective of suspected variables and their interaction.

Jacksonville University
MILLAR WILSON LABORATORY FOR CHEMICAL RESEARCH
Jacksonville 11, Florida
Harold W. Barrett, Director — Founded 1959

Program just beginning. Research planned with particular emphasis on biochemistry.

Johns Hopkins University
McCOLLUM-PRATT INSTITUTE
Baltimore 18, Maryland — Founded 1948
Dr. William D. McElroy, Director — Staff: Professional 20, Other 10

Concerned with experimental investigation of the role and significance of micronutrients in plant and animal nutrition. Studies center in the broader fields of plant and animal biochemistry, plant physiology and related sciences. Sponsors occasional symposia.

University of Miami
CANCER RESEARCH LABORATORY
Coral Gables 46, Florida — Founded 1950
Dr. W. F. Dunning, Director — Staff: Professional 3, Other 10

Conducts research related to the causes, prevention and cure of experimental cancer. Studies are conducted on inbred rats and mice. Maintains a breeding colony of 12 different inbred lines of rats and 5 strains of mice and stocks of transplanted tumors. Supported in part by grants in aid from outside sources.

University of Miami
MICROBIOLOGICAL LABORATORY
Coral Gables, Florida
Murray Sanders, M.D., Director

Conducts research on infectious diseases and on the diagnosis and treatment of virus diseases. Also engaged in development of virus field cultures to permit rapid comprehensive diagnosis of such infections. Other programs include development of antipoliomyelitis substances, study of antiviral chemicals, infectious hepatitis, cardiac disease, biochemical aspects of infectious and metabolic disturbances.

Michigan State University
KELLOGG GULL LAKE BIOLOGICAL STATION
Route 1
Hickory Corners, Michigan — Founded 1954
Dr. Walter F. Morofsky, Director — Staff: Professional 1, Other 1

Conducts basic research in all of the biological sciences.

University of Michigan
BIOLOGICAL STATION
Pellston, Michigan — Founded 1909
Prof. A.H. Stockard, Director — Staff: Professional 15, Other 2

Research centers principally on ecological aspects of plants and animals - species and associations - among all freshwater and terrestrial major taxonomic groups and all habitat situations - terrestrial, aquatic and parasitic. Special emphasis in recent years has been placed on parasitic protozoans and worms, higher fungi, aquatic molds, and the physical, chemical and biological features of natural bodies of freshwater streams, inland lakes and Great Lakes.

University of Michigan
BUREAU OF HOSPITAL ADMINISTRATION
School of Business Administration
Ann Arbor, Michigan — Founded 1957
Walter J. McNerney — Staff: Prof. 10, Other 3

Programs include: study of hospital and medical economics, study of regionalization, administration related to patterns of patient care, and intensive care. Sponsors three annual institutes: Financing of Hospital and Medical Care, Environmental Influences Shaping the Future Role of the Hospital, Labor Relations in Hospitals.

University of Michigan
BUREAU OF PUBLIC HEALTH ECONOMICS
School of Public Health
Ann Arbor, Michigan — Founded 1945
S.J. Axelrod, M.D., Director — Staff: Professional 8, Other 3

Conducts research in medical care with special reference to health services for aged, prepaid plans, public welfare medical care, medical manpower and social organization of health services. Publishes regular abstract journal covering the literature of the field. Publication: Public Health Economics, monthly.

University of Michigan
INSTITUTE OF INDUSTRIAL HEALTH
1634 University Hospital
Ann Arbor, Michigan — Founded 1951
Seward E. Miller, M.D., Director — Staff: Professional 9, Other 5

Concerned with problems of occupational health, industrial medicine and industrial hygiene. Research is conducted in the fundamental and practical problems of hearing loss from noise, contact dermatitis, toxicology, otology, ophthalmology and roentgenology. The staff offers services to industrial health personnel for consultation, research, and special conferences and meetings. Offers short refresher courses and seminars, i.e.,

light and vision, industrial noise, air pollution and industrial hygiene for nurses.

University of Michigan
THOMAS HENRY SIMPSON MEMORIAL INSTITUTE FOR MEDICAL RESEARCH
Ann Arbor, Michigan — Founded 1927
Muriel C. Meyers, M.D., Act. Director — Staff: Professional 10, Other 7

Conducts a range of clinical and basic research studies particularly centered upon hematology. One week postgraduate course for practicing physicians, given annually, usually in April.

University of Minnesota
DIGHT INSTITUTE FOR HUMAN GENETICS
10 Zoology
Minneapolis, Minnesota — Founded 1941
Dr. Sheldon C. Reed, Director — Staff: Professional 2, Other 3

Research efforts center on studies of mental retardation, mental health and analytical studies of breast cancer.

University of Minnesota
HORMEL INSTITUTE
P. O. Box 367
Austin, Minnesota — Founded 1942
Dr. W.O. Lundberg, Director — Staff: Professional 34, Other 10

Promotes education and research in various areas which collectively comprise the field of biological science. Renders services in fundamental and applied research in cooperation with industry, governmental agencies, and foundations and associations. Sponsors regular seminar series.

University of Minnesota
LABORATORY OF PHYSIOLOGICAL HYGIENE
Stadium Gate 27
Minneapolis 14, Minnesota
Dr. Ancel Keys, Director — Staff: Professional 8, Other 19

Conducts heart research in connection with diet, exercise, physical fitness, etc. Studies are concerned with local, national and international aspects of the problems of heart disease.

Mississippi Southern College
MISSISSIPPI INSTITUTE OF MICROBIOLOGY
Box 264 - Station A
Hattiesburg, Mississippi
Dr. B. Q. Ward, Director — Founded 1959

Concerned with control, educational and research problems of microbiology, including fundamental as well as applied problems related to the needs of the region. Areas of application include histology, embryology, parasitology, marine biology, bacteriology, ecology, etc.

University of Montreal
INSTITUTE OF EXPERIMENTAL MEDICINE AND SURGERY
2900 Mount-Royal Boulevard
Montreal, Quebec, Canada — Founded 1945
Hans Selye, M.D., Director — Staff: Professional 15, Other 40

Conducts basic medical research on stress and endocrinology (physiology and pathology).

University of Montreal
INSTITUTE OF MICROBIOLOGY AND HYGIENE
2900 Mount-Royal Boulevard
Montreal Quebec, Canada — Founded 1938
Armand Frappier, M.D., Director — Staff: Professional 50, Other 200

Conducts a program of research in microbiology and hygiene and preventive medicine and produces biologicals on a non-profit basis.

University of Montreal
MONTREAL CANCER INSTITUTE
Notre Dame Hospital
1560 Sherbrooke Street, East
Montreal, P.Q., Canada — Founded 1947
Antonio Cantero, M.D., Director — Staff: Professional 9, Other 7

Conducts a range of fundamental research studies in cancer with particular emphasis upon enzymatic studies, histochemical problems and electron-microscopy studies.

New York University
INSTITUTE FOR DENTAL RESEARCH
The Murry and Leonie Guggenheim Foundation
339 East 25th Street
New York 10, New York — Founded 1954
Dr. Harry Blechman, Exec. Secretary — Staff: Professional 25, Other 1

Stimulates original research investigations and accumulates data on oral and systemic diseases through the conduct of laboratory, clinical and machine tool studies. Maintains a special library and a large number of special purpose scientific laboratories. Research results are disseminated in scientific papers and monographs.

New York University
INSTITUTE OF INDUSTRIAL MEDICINE
550 First Avenue
New York 16, New York — Founded 1947
Norton Nelson, Ph.D., Director — Staff: Prof. 14, Other 23

Conducts teaching and research program in the general field of environmental and occupational health covering both medical and related non-medical specialties. Sponsors seminars in environmental health.

New York University
RESEARCH CENTER FOR MENTAL HEALTH
21 Washington Place
New York 3, New York — Founded 1953
Prof. Robert R. Holt, Director — Staff: Professional 11, Other 4

Conducts a program of basic research in cognitive and affective functions, stemming from the psychoanalytic theory of thinking and affect. Problem studies involve the concepts of cognitive style, primary and secondary process. Structural and motivational aspects of thought under various conditions, such as drugs, perceptual isolation, dreaming, and impoverishment of stimulation, are studied. Sponsors research seminars and conferences.

University of North Dakota
GUY AND BERTHA IRELAND RESEARCH LABORATORY
Grand Forks, North Dakota — Founded 1953
Prof. W.E. Cornatzer, M.D., Head — Staff: Professional 6, Other 3

Conducts medical and biochemical research of the following types: isolation of mammary tumor agent and role in intermediary metabolism. Phospholipide and sulfalipide metabolism in liver disease. Role of phospholipide metabolism in viral synthesis. Absorption from the small intestine in situ of amino acids. The kinetic study and role of enzymes in intermediary metabolism.

University of Notre Dame
LOBUND - GERMFREE LIFE RESEARCH LABORATORIES
Notre Dame, Indiana — Founded 1950
Dr. Ralph E. Thorson, Head — Staff: Prof. 30, Other 40

Conducts study and characterization of germfree vertebrates and their use in studies of dental caries, host-parasite relationships, radiation effects, etiology of disease, burn toxins, shock and nutrition. Also develops apparatus and techniques for creating sterile environments, for breeding and rearing of germfree animals. Sponsors occasional symposium on germfree technology. Publication: Lobund Reports, irregular.

Ohio State University
INSTITUTE FOR RESEARCH IN VISION
Columbus 10, Ohio
Dr. H. Richard Blackwell, Director

Ohio State University
OHIO BIOLOGICAL SURVEY
108 Townshend Hall
1885 Neil Avenue
Columbus 10, Ohio
Dr. C.A. Dambach, Exec. Secretary — Founded 1912

An inter-institutional organization designed to foster studies on Ohio flora and fauna and to provide means for publication of research reports. Recent efforts have centered upon the classification and description of unique biological habitats in the state. Publication: Bulletin of the Ohio Biological Survey, irregular.

University of Oklahoma
BIOLOGICAL STATION
Lake Texoma, Oklahoma
Carl D. Riggs, Director — Founded 1950

A permanent field station designed and operated to offer opportunities for research and study in ecology and natural history, and those phases of taxonomy, evolution, morphology, and physiology that require extensive study of organisms in their natural habitats. Papers based on research done at the Station are published in scientific journals.

University of Oklahoma
OKLAHOMA BIOLOGICAL SURVEY
Norman, Oklahoma
Dr. Carl D. Riggs, Director — Founded 1927

Conducts research on fauna and flora of Oklahoma, as well as well as environmental factors. The Oklahoma Fishery Research Laboratory is a cooperative agency of the Oklahoma Biological Survey and the Oklahoma Wildlife Conservation Department. Research papers are published based upon the Survey's efforts.

Oregon State College
SCIENCE RESEARCH INSTITUTE
Corvallis, Oregon — Founded 1952
Dr. Vernon H. Cheldelin, Director — Staff: Professional 16, Other 1

Coordinates research in the School of Science with particular emphasis to date on the life sciences. Carries out a broad program of study on intermediary metabolism in higher animals, insects and micro-organisms. Sponsors symposia related to research activities.

University of Oregon
INSTITUTE OF MOLECULAR BIOLOGY
Eugene, Oregon — Founded 1959
Dr. Aaron Novick, Director — Staff: Professional 6, Other 4

Conducts research in areas of biology where phenomena can be understood in terms of the structure of molecules, such as nucleic acids and proteins. Recent studies have concerned genetic recombination and mutation in bacteria and bacterial viruses, genetic control of protein synthesis, the regulation of the rate of protein formation and other aspects of the mechanisms of protein synthesis. Sponsors periodic seminars for visiting and local researchers.

College of Osteopathic Physicians & Surgeons
BIOKINETICS RESEARCH LABORATORY
Los Angeles County Osteopathic Hospital
Los Angeles 31, California — Founded 1954
Dr. Philip J. Rasch, Director — Staff: Professional 2, Other 1

Conducts research primarily in the field of physical medicine and rehabilitation, with particular emphasis on the physiology of therapeutic exercise. Some effort is being carried on also in psychological research.

College of Pacific
INSTITUTE FOR PHARMACOLOGICAL RESEARCH
School of Pharmacy
Stockton, California — Founded 1958
Carl C. Riedesel, Director — Staff: Professional 2, Other 1

Major recent research effort centered upon a study of factors and agents affecting embryonic tissues and adapting the methods to a rapid screening for toxicities. Other functions relate to routine screening of compounds and the conduct of applied investigations for industrial sponsors.

University of Pennsylvania
GEORGE S. COX MEDICAL RESEARCH INSTITUTE
Philadelphia 4, Pennsylvania — Founded 1932
Francis D.W. Lukens, M.D., Director — Staff: Professional 4, Other 4

Conducts research investigations of diabetes mellitus, clinical and experimental, and of endocrine control of metabolism. Provides consultation services, conducts clinic and directs teaching of diabetes and metabolic disorders.

University of Pennsylvania
INSTITUTE OF NEUROLOGICAL SCIENCES
Philadelphia 4, Pennsylvania
Louis B. Flexner, M.D., Director — Staff: Professional 22

Serves as a center for basic research in the study of the nervous system, including the disciplines of neuroembryology, neuroanatomy, neurophysiology, neurophamacology, neurochemistry and physiological psychology.

University of Pennsylvania
JOHNSON FOUNDATION FOR MEDICAL PHYSICS
612 Maloney Building
Philadelphia 4, Pennsylvania — Founded 1929
Dr. Britton Chance — Staff: Professional 25, Other 30

Directs graduate research in many of the physical or physical-chemical aspects of biology and medicine and offers research seminars. Its basic purpose is to train men and women for research in biology, for clinical investigation and for teaching positions in physiology, zoology, botany, physics, and physical biochemistry.

University of Pennsylvania
HENRY PHIPPS INSTITUTE
Seventh and Lombard Streets
Philadelphia 47, Pennsylvania — Founded 1903
Dr. Julius L. Wilson, Director — Staff: Professional 5, Other 25

Conducts research into the study, treatment and prevention of tuberculosis. Recent investigations have focused on the role of hormones in tuberculosis, resistance and susceptibility to tuberculosis and the separation and identification of leprosy. Publication: Henry Phipps Institute Report, irregular.

University of Pennsylvania
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY
36th and Spruce Streets
Philadelphia 4, Pennsylvania — Founded 1894
Hilary Koprowski, M.D., Director — Staff: Prof. 18, Other 130

Overall research is directed along three lines - study of normal cells, aging and transplanted cells, and malignant and infected cells. Research skills represent the techniques of immunology, experimental pathology, biochemistry, physical and organic chemistry, enzymology, several aspects of biology, virology and radio-isotopes. The program comprises cross-disciplinary basic investigations of medical problems, with particular emphasis upon virology, tissue culture and cancer.

University of Pittsburgh
VIRUS RESEARCH LABORATORY
Pittsburgh 13, Pennsylvania
Dr. Jonas E. Salk, Director

University of Pittsburgh
WESTERN PSYCHIATRIC INSTITUTE AND CLINIC
3811 O'Hara Street
Pittsburgh 13, Pennsylvania — Founded 1942
Henry W. Brosin, M.D., Director — Staff: Prof. 43, Other 295

Pursues study and research into the causes, treatment, prevention and cure of nervous disorder and mental disease. Recent research projects have cut across a wide spectrum of the behavioral sciences, and also include biochemistry studies.

University of Rochester
ATOMIC ENERGY PROJECT
Department of Radiation Biology
P.O. Box 287 - Station 3
Rochester 20, New York — Founded 1943
Dr. Henry A. Blair, Director — Staff: Prof. 45, Other 200

Research efforts are devoted to study of health problems of atomic energy development and to beneficial applications of radioactive materials in the service of man. Related to the research activity is a graduate teaching program in health physics, biophysics and radiation biology. This project is wholly supported by the Atomic Energy Commission. Sponsors seminars in health physics, biophysics, radiation biology, radiation chemistry and toxicology. Publication: University of Rochester Atomic Energy Project Reports, irregular.

Rutgers-The State University
BUREAU OF BIOLOGICAL RESEARCH
New Brunswick, New Jersey — Founded 1936
Dr. James B. Allison — Staff: Professional 5

Programs undertaken involve basic problems in biology and their application to medicine, agriculture, and industrial biology. Specialties are integrated to study such subjects as malnutrition, cancer, cardiovascular disease, toxicology, resistance to stresses including disease, and chemotherapy. Sponsors annual conference.

Rutgers-The State University
INSTITUTE OF MICROBIOLOGY
New Brunswick, New Jersey — Founded 1954
Dr. J. Oliver Lampen, Director — Staff: Professional 70, Other 8

Conducts a broad program of fundamental research and teaching in microbiology and allied disciplines. Maintains a special library related to areas of research interest. Research results are published as monographs and scientific journal articles. Sponsors Hoffmann-La Roche Lectures in Microbiology; Ciba Lectures in Microbial Biochemistry; E.R. Squibb Lectures on Chemistry of Microbial Products.

University of Saskatchewan
SASKATCHEWAN CANCER AND MEDICAL RESEARCH INSTITUTE
Saskatoon, Saskatchewan, Canada — Founded 1958
Dr. R.W. Begg, Director — Staff: Professional 8, Other 26

Centers upon cytogenetics, virus, tumor-host, radiation physics and tissue culture. Non-cancer research deals with cardio-vascular studies, neurology, steroid hormones, gastro-intestinal and anesthesia.

Southern Methodist University
ACOUSTICS LABORATORY
Dallas 5, Texas — Founded 1955
Dr. Wayne Rudmose, Director — Staff: Professional 2

Conducts research in basic problems of hearing. Instrumentation is available for primary and secondary calibrations of microphones, the measurement of acoustical properties of materials, the study of diffraction and reflection, and the analysis of noise.

Temple University
SPEECH AND HEARING CENTER
Philadelphia 22, Pennsylvania
Dr. Murray M. Falfond, Director

University of Tennessee
MEMORIAL RESEARCH CENTER
Alcoa Highway
Knoxville 20, Tennessee — Founded 1958
Stanfield Rogers, M.D., Director — Staff: Professional 7, Other 20

Conducts a full scale research and post doctoral training program, concentrates primarily in the fields of experimental pathology, oncology, genetics, virology, biochemistry, neurophysiology, electrolyte metabolism and hematology. Research in the use of radioactive materials in medical therapy is also contemplated. Sponsors monthly seminars.

University of Texas
CLAYTON FOUNDATION BIOCHEMICAL INSTITUTE
442 Experimental Science Building
Austin 12, Texas — Founded 1941
Dr. Roger J. Williams, Director — Staff: Professional 28, Other 4

Conducts fundamental biochemical research involving the isolation, identification and function of vitamins and other growth factors, the nature and mode of action of enzymes, use of antimetabolites to study metabolic interrelationships, individual metabolic patterns, cancer and alcoholism. Publication: Biochemical Institute Studies, irregular.

University of Texas
GENETICS FOUNDATION
Department of Zoology
Austin 12, Texas — Founded 1952
Prof. C. P. Oliver — Staff: Professional 8, Other 1

Conducts a broad range of research studies in various phases of genetics - general genetics, human genetics, biochemical and physiological genetics, radiation genetics, in evolution and special relationships, and in cell biology. Publication: Studies in the Genetics of Drosophila, irregular.

University of Texas
LABORATORY OF ALGAL PHYSIOLOGY
Experimental Science Building 430
Austin, Texas — Founded 1951
Dr. Jack Myers, Director — Staff: Professional 1

Conducts research on the physiology and biochemistry of algae.

University of Texas
PLANT RESEARCH INSTITUTE
Austin 12, Texas — Founded 1948
Dr. W. Gordon Whaley, Director — Staff: Professional 3

Conducts basic research in plant science, supported by the university and outside sponsors.

University of Texas
RESEARCH IN BACTERIOLOGY
Austin, Texas
Prof. Orville Wyss, Chairman — Founded 1948

Conducts a program of research in bacterial physiology and genetics.

University of Utah
BIOLOGICAL SURVEY OF UTAH
Biology Building
Salt Lake City 12, Utah — Founded 1919
Don M. Rees, Head — Staff: Professional 25, Other 4

Conducts a continuing biological survey of plants and animals and maintains study collections of specimens in the herbarium (moss and seed plants) invertebrate museums (entomological and arachnological) and vertebrate museums (cold-blooded, birds and mammals - cold blooded fish, amphibians, reptiles). Both graduate and undergraduate seminars are held in all departments of the division. Publication: Biological Series, irregular.

University of Utah
LABORATORY OF HUMAN GENETICS
106 Biology Building
Salt Lake City 12, Utah — Founded 1949
Dr. Charles M. Woolf, Director — Staff: Professional 2, Other 5

Conducts a program of research in human genetics.

Vanderbilt University
BILL WILKERSON HEARING AND SPEECH CENTER
19th Avenue South at Edgehill
Nashville 12, Tennessee — Founded 1958
Dr. Freeman McConnell, Director — Staff: Professional 2, Other 1

Studies are conducted in both basic research in speech science and psychoacoustics of audition, as well as in clinical research in the field of communication disorders. Recent efforts centered on response of non-language children to training; vocal fold spectra and voice quality disorders; GSR measurement of auditory discrimination in children. Sponsors symposia and medical lecture series. Sponsored jointly with the George Peabody College for Teachers.

Walla Walla College
BIOLOGICAL STATION
Anacortes, Washington — Founded 1947
Harold G. Coffin, Director — Staff: Professional 4

Sponsors and conducts research in biology by staff members. Publication: Publications of the Department of Biological Sciences and the Biological Station, irregular.

University of Washington
DRUG PLANT GARDENS AND LABORATORY
College of Pharmacy
Seattle 5, Washington — Founded 1911
Dr. Varro E. Tyler, Jr., Director — Staff: Professional 3, Other 1

Conducts research on all phases of medicinal plants including their cultivation and the nature of their active constituents. Between 200 and 300 different species of medicinal plants are maintained. Recent study has centered on mushrooms native to the northwest.

University of Washington
ENVIRONMENTAL RESEARCH LABORATORY
E314 Health Sciences Building
Seattle 5, Washington — Founded 1951
Ross N. Kusian, Director — Staff: Professional 6, Other 1

Provides a consulting research service in industrial hygiene and air pollution problems. Recent efforts have been conducted on the silica content of gneiss rock, toxicity of big horn talc and mercury-in-air levels. Sponsors short courses in industrial hygiene and air pollution. Publication: Occupational Health Newsletter, monthly.

University of Washington
LABORATORY OF RADIATION BIOLOGY
Fisheries Center
Seattle 5, Washington — Founded 1943
Dr. Lauren R. Donaldson, Director — Staff: Professional 9, Other 8

Early work was related to biological effects of x-rays upon aquatic organisms, principally fish. Since 1946 increasing activity has been directed toward a quantitative and qualitative evaluation of the biological and geographical distribution of radioisotopes in the vicinity of the Bikini-Eniwetok Test Site and to a lesser extent in the Western Pacific. Recently a radioecological study has been initiated at Rongelap and a biological-radiological study in the Chukchi Sea. Sponsors meetings and seminars related to research efforts.

Wayne State University
DETROIT INSTITUTE OF CANCER RESEARCH
4811 John R. Street
Detroit 1, Michigan — Founded 1943
William L. Simpson, M.D., Director — Staff: Professional 46, Other 7

Conducts clinical research with patients, work in chemotherapy, particularly in the field of hormones. Laboratory investigations are centered upon every important aspect of the disease. Sponsors annual Scientific Meeting.

Western Michigan University
SPEECH CLINIC
Kalamazoo, Michigan — Founded 1936
Dr. C.Van Riper, Director — Staff: Professional 3, Other 1

Conducts studies of differential binaural stimulation in speech therapy and foreign language teaching and carries on experimental speech therapy programs.

Western Reserve University
BIOLOGY FIELD STATION
Squire Valleevue Farm
Fairmount Boulevard - RFD #3
Chagrin Falls, Ohio — Founded 1949
Dr. J.C. Gray, Chairman — Staff: Professional 1, Other 2

Conducts research efforts in plant physiology, animal physiology and mouse genetics. Recent efforts in plant physiology have included studies on the growth of two inbred lines and F hybred corn in relation to temperature; studies on the amino acid metabolism of hybred corn; biochemical and genetic studies on tomato crosses. The physiology of reproduction in prairie dogs has also been a recent subject of investigation.

Western Reserve University
INSTITUTE OF PATHOLOGY
Cleveland, Ohio
Dr. Alan R. Moritz, Director

University of Wisconsin
McARDLE MEMORIAL LABORATORY FOR CANCER RESEARCH
414 N. Charter Street
Madison 6, Wisconsin — Founded 1940
Harold P. Rusch, M.D., Director — Staff: Prof. 55, Other 6

Conducts cancer research studies with special emphasis on the biochemical mechanisms involved in cancer formation and on the biochemical nature of normal and abnormal growth and differentiation.

University of Wisconsin
WISCONSIN PSYCHIATRIC INSTITUTE
1552 University Avenue
Madison 5, Wisconsin — Founded 1915
Leslie A. Osborn, M.D., Director — Staff: Professional 2, Other 1

Investigates medical and social conditions related to state care in the mental health field, develops and promotes measures to relieve and prevent the need for state care, and undertakes through education and research to prevent conditions which result in state care. Serves as liaison between the university and the mental hygiene services of the state. Sponsors special programs and conferences.

Yale University
CENTER OF ALCOHOL STUDIES
52 Hillhouse Avenue - Yale Station
New Haven, Connecticut — Founded 1919
Dr. Selden D. Bacon, Director — Staff: Professional 35

Conducts research in fields of physiology, psychology, sociology, public health and biochemistry. Publication: Quarterly Journal of Studies on Alcohol.

SECTION 12—MATHEMATICS

University of Arizona
NUMERICAL ANALYSIS LABORATORY
Tucson 25, Arizona — Founded 1957
A. Wayne Wymore, Director — Staff: Prof. 27, Other 8

Conducts research in the following areas: computer programming, numerical analysis, operations analysis, logical design of computer systems, data processing and data reduction. Equipment includes IBM 650 digital computer and Ramac 305A. Sponsors Southwestern Universities Computer Conference. Publication: Bulletin of the Numerical Analysis Laboratory, monthly.

University of California
COMPUTER CENTER
201 Campbell Hall
Berkeley 4, California — Founded 1956
Dr. Rene De Vogelaere, Act. Director — Staff: Professional 4, Other 15

Serves as a computer service center to campus departments; conducts basic research in computer oriented fields. Sponsors non-credit courses in computer coding.

University of California
STATISTICAL LABORATORY
Berkeley 4, California — Founded 1939
Dr. J. Neyman — Staff: Professional 11, Other 5

Research interests range from purely mathematical studies of statistical and probabilistic problems to studies of data. Areas of research include: theory of statistics (testing of hypotheses, estimation, analysis of variance, design of experiments, sampling, sequential analysis, decision theory, non-parametric inference); probability theory (foundations, limit theorems, stochastic processes); information theory, game theory, econometrics, operations research; and applications including statistical problems of astronomy, general biology, medicine and public health, physics and engineering. Sponsors Berkeley Symposia on Mathematical Statistics and Probability, held every five years (June 20 - July 30, 1960). Publication: University of California Publications in Statistics, irregular.

University of California
NUMERICAL ANALYSIS RESEARCH
405 Hilgard Avenue
Los Angeles 24, California — Founded 1954
Dr. C.B. Tompkins, Director — Staff: Professional 3, Other 4

Research studies in mathematics of numerical analysis and automatic high speed computation. Studies conducted by faculty from many university departments in applications of automatic high speed computers in scientific research. Several continuing seminars and colloquia. Occasional symposia on subjects related to numerical analysis (e.g. machine translation) or leaning heavily on automatic calculation (e.g. propagation of high frequency radio waves).

University of California
WESTERN DATA PROCESSING CENTER
Los Angeles 24, California — Founded 1957
Dr. George W. Brown, Director — Staff: Professional 8, Other 5

Specifically organized to support education and research in business data processing by universities in the 11 western states and Hawaii. Attempts to develop improved techniques and new applications in the quantitative study of business problems. Projects include simulation studies of job shop scheduling, development of managerial decision making game and construction of an "information" model of a single enterprise. Publication: Newsletter, irregular.

Case Institute of Technology
COMPUTING CENTER
Cleveland, Ohio
Dr. Raymond J. Nelson, Director — Staff: Professional 2

Serves as a research center in computation and provides equipment and professional assistance for large scale computations arising in other research projects at Case and in industry and government. Included in the equipment are a Univac and an IBM 650. Closely associated is the statistical laboratory.

Catholic University of America
STATISTICAL LABORATORY
Washington 17, D. C. — Founded 1959
Prof. Eugene Lukacs, Director — Staff: Professional 3

Research centers around the study of characteristic functions and their applications in mathematical statistics. Reprints of research papers are disseminated. Sponsors a lecture series featuring prominent scholars from the fields of mathematical statistics and probability theory.

University of Chicago
INSTITUTE FOR COMPUTER RESEARCH
5630 S. Ellis Avenue
Chicago 37, Illinois — Founded 1957
Dr. Nicholas C. Metropolis, Director — Staff: Professional 10, Other 3

Conducts research and development in the broad computational field, in the logical design and construction of computers, in programming techniques, and in component development.

Columbia University
WATSON SCIENTIFIC COMPUTING LABORATORY
612 W. 115th Street
New York 25, New York — Founded 1945
Dr. W. J. Eckert, Director — Staff: Professional 70, Other 30

Operates in collaboration with the IBM Corporation as a research center for problems in which numerical calculation and applied mathematics play an important role. Maintains extensive facilities for experimental and theoretical research related to the design and use of calculating equipment . Laboratories for electronics and for physical research on fundamental problems in computer design are also available. Sponsors occasional meetings related to research functions.

University of Florida
STATISTICAL LABORATORY
Box 3568 - University Station
Gainesville, Florida — Founded 1951
Dr. H.A. Meyer, Director — Staff: Professional 2, Other 7

Offers research and development consulting and computing service to all university departments and to outside governmental and private organizations on a contractual basis. Sponsors a Monte Carlo Symposium, participates in the Southern Regional Graduate Statistics Program and offers seminars in computer research. Publication: Statistical Lab News, irregular.

University of Georgia
INSTITUTE OF STATISTICS
Athens, Georgia — Founded 1959
Dr. A.C. Cohen, Jr., Director — Staff: Professional 3, Other 3

Conducts a wide range of research activities on applied and mathematical statistics.

Harvard University
COMPUTATION LABORATORY
Cambridge, Massachusetts
D . Howard H. Aiken

Maintains a special research library, and three large scale digital computers. Equipment is used in the conduct of research and in support of other research studies.

University of Illinois
DIGITAL COMPUTER LABORATORY
Urbana, Illinois — Founded 1948
Dr. R.E. Meagher, Head — Staff: Professional 14, Other 28

Research is related to construction and applications of any high speed computing machines. The machine being developed is designed to make it possible to experimentally test advanced techniques in asynchronous circuits, methods of arithmetic and machine organization.

University of Illinois
MATHEMATICS PROJECT
1208 West Springfield
Urbana, Illinois — Founded 1951
Dr. Max Beberman, Director — Staff: Professional 15, Other 6

Program centers on the development of new high school curriculum in mathematics. Involves writing textbooks and testing them in schools as well as training teachers to carry out testing.

Iowa State University
STATISTICAL LABORATORY
Ames, Iowa — Founded 1933
Dr. T.H. Bancroft, Director — Staff: Professional 48

The first statistical center of its kind in the United States organized on an inter-departmental basis. In order to facilitate the development and application of better methods to support research efforts, there is close cooperation with and technical service to all university divisions and research institutes. Research in the laboratory is in the fields of genetical statistics, mathematical statistics, computational methodology and survey methodology. Publication: Statlab Review, semiannual.

Johns Hopkins University
OPERATIONS RESEARCH OFFICE
6935 Arlington Road
Bethesda, Maryland — Founded 1948
Dr. Ellis A. Johnson, Director — Staff: Prof. 140, Other 275

The program covers an extremely broad area, including problems related to strategy, tactics, operations, logistics, intelligence and air defense.

University of Maryland
INSTITUTE FOR FLUID DYNAMICS AND APPLIED MATHEMATICS
College Park, Maryland — Founded 1949
Dr. Monroe H. Martin, Director — Staff: Professional 24

Conducts research program in fluid dynamics, applied mathematics and statistical mechanics. Publishes conference proceedings and research papers. Sponsors public lectures and seminars in areas related to research activity.

Massachusetts Institute of Technology
OPERATIONS RESEARCH CENTER
Cambridge 39, Massachusetts — Founded 1951
Prof. P.M. Morse, Director — Staff: Professional 3, Other 1

An interdepartmental program for research (including industrial and government sponsored efforts) and training in operation's research. Recent efforts have centered upon queuing, operational simulation, automobile traffic inventory, production scheduling and dynamic programming. Publication: Interim Technical Reports, irregular.

Universite de Montreal
CENTER OF STATISTICS
P.O. Box 6128
Montreal, P.Q., Canada — Founded 1954
Dr. Jacques St-Pierre, Director — Staff: Professional 2, Other 1

Offers services of a mathematical nature to various research programs. Equipment includes a digital computer.

New York University
INSTITUTE OF MATHEMATICAL SCIENCES
25 Waverly Place
New York 3, New York — Founded 1952
Prof. J.J. Stoker, Director — Staff: Prof. 190, Other 50

Conducts research in pure and applied mathematics, mathematical physics and engineering, computational techniques, and computer design. Advanced training and basic research are combined. Publication: Communications on Pure and Applied Mathematics, quarterly.

North Carolina State College
INSTITUTE OF STATISTICS
Raleigh, North Carolina — Founded 1945
Gertrude M. Cox, Director — Staff: Professional 25, Other 26

Conducts research in experimental designs, survey sampling techniques, analytical procedures, theoretical problems in estimation, testing hypotheses, model formulation and related topics. This program is part of the statewide Institute of Statistics maintained throughout the North Carolina State University system. Sponsors seminars related to research efforts. Publication: Record of Research, biennial.

University of North Carolina
INSTITUTE OF STATISTICS
P.O. Box 390
Chapel Hill, North Carolina
Dr. George E. Nicholson, Jr. — Founded 1945

Conducts basic research in mathematical and applied statistics, working through regular university departments and agencies. Another section of this program is maintained at North Carolina State College.

University of Pennsylvania
COMPUTER CENTER
209 South 33rd Street
Philadelphia 4, Pennsylvania — Founded 1957
Dr. Saul Gorn, Director — Staff: Professional 8, Other 12

Research program is closely related to problems arising in various schools and university departments. Recent studies have centered on automation of insurance records, cancer cell studies, buildings and bridges, stimulation of learning, language problems and market research problems. Sponsors monthly seminar series during academic year.

Purdue University
COMPUTING LABORATORY
West Lafayette, Indiana — Founded 1950
Dr. L.Duane Pyle, Head — Staff: Professional 10

Conducts a program of mathematical and statistical studies. The effort is a multi-industry sponsored activity which has developed numerous codes for the Datatron 204 and 5, notably the Purdue Compiler.

Southern Methodist University
COMPUTING LABORATORY
Dallas 5, Texas — Founded 1957
Dr. Paul D. Minton, Director — Staff: Professional 4, Other 1

Serve as a computing facility for the southwestern region of the United States for academic research and teaching of computer-related work. Equipment includes the Remington Rand Univac Scientific 1103 computer, with core, drum and tape memory. Sponsors seminars in programming.

University of Texas
COMPUTATION CENTER
Austin 12, Texas — Founded 1958
Dr. David M. Young Jr. — Staff: Professional 5, Other 3

Conducts research in numerical analysis and provides services in relation to research in such fields as physics, chemistry, engineering, psychology and mathematics.

Washington State University
COMPUTING CENTER
Pullman, Washington — Founded 1956
Dr. Ottis W. Rechard, Director — Staff: Professional 4, Other 6

Offers computing and data processing (using high speed electronic equipment) in support of university-wide research efforts. Also engages in research toward improved methods in scientific computing and data processing. Facilities and professional staff services are also available for outside contract research. Sponsors seminars and conferences.

University of Washington
RESEARCH COMPUTER LABORATORY
400A Bagley Hall
Seattle 5, Washington — Founded 1956
Dr. David B. Dekker, Director — Staff: Professional 1, Other 1

Provides electronic calculating facilities (IBM 650) for university research and sponsors studies in mathematical and statistical analysis.

University of Washington
STATISTICAL RESEARCH LABORATORY
Seattle, Washington
Z.W. Birnbaum, Director

Wayne State University
COMPUTING CENTER
4841 Cass
Detroit 2, Michigan — Founded 1952
Dr. Walter Hoffman, Director — Staff: Professional 4, Other 5

Conducts research services involving digital computation. Recent efforts have related to metropolitan area traffic problems, language translation and studies of schizophrenia.

University of Wisconsin
MATHEMATICS RESEARCH CENTER - U.S. ARMY
Madison 6, Wisconsin — Founded 1956
Dr. R. E. Langer, Director — Staff: Professional 19, Other 9

Conducts research in numerical analysis, statistics and probability, analysis and applied mathematics, and operations analysis. Consults with and advises Army agencies which call upon the Center for such assistance. Publishes research results in the form of technical summaries and proceedings of symposia. Sponsors bi-annual symposia on topical research issues. Publication: Technical Summary Research Reports, irregular.

SECTION 13—ENGINEERING

University of Alabama
BUREAU OF ENGINEERING RESEARCH
Box 6162
University, Alabama — Founded 1928
Dean James R. Cudworth, Director — Staff: Professional 1, Other 1

Operates within the College of Engineering by coordinating and assisting individual and departmental research activities. Projects include individual research sponsored by the University Research Committee, individual or group research supported through normal college budgets and special research projects sponsored through contractual agreement by industry and government agencies. Research results considered of general public interest are published. Research interests include aircraft and flight equipment, chemical engineering, detection, electronics, materials (non-metallic), metallurgy, strength of materials, instrumentation, transportation, petroleum and gas recovery techniques, and soil mechanics in sanitary engineering research. Publication: Bulletins and Technical Reports, irregular.

University of Arkansas
ENGINEERING EXPERIMENT STATION
Fayetteville, Arkansas
Dean George F. Branigan, Director — Founded 1924

Conducts research activities in all branches of engineering. Publication: Engineering Experiment Station Bulletins, irregular.

Auburn University
ENGINEERING EXPERIMENT STATION
Auburn, Alabama — Founded 1929
Dean Fred H. Pumphrey, Director — Staff: Professional 6, Other 4

Conducts and sponsors a program of fundamental and applied studies in all of the major fields of engineering activity.

University of California
ELECTRONICS RESEARCH LABORATORY
425 Cory Hall
Berkeley 4, California
Dr. Samuel Silver, Director — Founded 1953

Engages in a number of fields of research in electrical engineering, including microwave engineering, information theory, control and servomechanisms, electronic computers, energy conversion, network theory and solid state materials and devices.

University of California
INSTITUTE OF ENGINEERING RESEARCH
Room 205 – Building T-3
Berkeley 4, California — Founded 1948
Dr. Earl R. Parker, Director — Staff: Prof. 26, Other 178

Research programs are conducted in practically every field of engineering. Recent large scale projects include those in electronics, metallurgy and ceramics, heat transfer, fluid mechanics, wave mechanics, strength of materials, and sea water conversion. Projects are supported by external grants and carried out by regular engineering faculty members and the non-academic research staff. Publication: Engineering Research, annual.

University of California
INSTITUTE OF TRANSPORTATION AND TRAFFIC ENGINEERING
Building 2D
Los Angeles, California
John H. Mathewson, Asst. Director

University of California
SANITARY ENGINEERING RESEARCH LABORATORY
1301 South 46th Street
Richmond, California — Founded 1950
P.H. McGauhey, Director — Staff: Professional 19, Other 8

Investigates air pollution, radioactive wastes, industrial and municipal waste treatment and the development of analytical procedures. Recent studies have centered on air polluting potential of burning fumes, disposal of radioactive wastes, removal of detergents from sewage, pollution of San Francisco Bay, economic evaluation of water and biological systems for space travel. Research is conducted under both university and outside sponsorship. Technical conferences are held at approximately one-year intervals. Topics have included water reclamation, recreational use of water supply reservoirs, refuse disposal, waste disposal in the marine environment, and radioactive wastes. Publication: News Quarterly.

Clemson College
ENGINEERING EXPERIMENT STATION
Clemson, South Carolina — Founded 1924
Dr. Leonard C. Adams, Director — Staff: Professional 1, Other 1

Activities were discontinued in 1956 and reactivated in September, 1959. Recent efforts have centered primarily on organization and initiation of projects, but activities in ceramic and chemical engineering have been extensive.

University of Colorado
ENGINEERING EXPERIMENT STATION
Boulder, Colorado — Founded 1941
W.G. Worcester, Executive Director — Staff: Professional 1, Other 2

All sponsored research activity in the College of Engineering is handled through the Engineering Experiment Station. Current projects include compressible fluid flow, entrainment of air in water, low voltage electron beams, antenna research, heat transfer, cyanide masers, and a variety of small projects in the various engineering departments. Most projects are sponsored by National Science Foundation, Office of Naval Research and Department of Defense agencies.

University of Florida
FLORIDA ENGINEERING AND INDUSTRIAL EXPERIMENT STATION
Gainesville, Florida — Founded 1941
Dean Joseph Weil, Director — Staff: Prof. 34, Other 68

Serves as research division of Engineering College and is the state's industrial development laboratory. Maintains laboratories and conducts research in the following broad fields: public health engineering, ionics, electronics, metallurgy, chemical engineering, air conditioning, soil mechanics, electrical machinery, paper, pulp and wood products utilization, farm mechanization, corrosion, aircraft model wind tunnel, reinforced and prestressed concrete, hurricane tests of building material, coastal engineering laboratory and cobalt source. Sponsors such conferences as: Conference on Accident Prevention Engineering, Short Course and Conference on Electric Meters, Southeastern Seminar on Spectroscopy, Air Conditioning, Metallurgy Seminar, Pulp and Paper Conference. Publication: Engineering Progress at the University of Florida.

Georgia Institute of Technology
ENGINEERING EXPERIMENT STATION
Atlanta 13, Georgia — Founded 1919
Dr. James E. Boyd, Director — Staff: Prof. 223, Other 59

Promotes research at Georgia Tech, serves government and industry and seeks to further development and utilization of state resources. Conducts studies in all areas of engineering research including industrial development, nuclear research, electron computer applications, chemical and physical structure of Georgia clays, minerals for atomic energy uses, in-

dustrial applications of radio activity, fuel injection systems for gas engines, high temperature ceramic material, etc. Results of investigations are published in bulletins, special reports and reprints. Sponsors partly or wholly Industrial Development Conference, various industrial development workshops, Symposium on the Industrial Uses of Radioisotopes, Interservice Committee on Technical Facilities, Southeastern, USA; quarterly Seminars on Digital Computer Programming; Special Course on Programming the Burroughs 220 Computer; the Business Game; ASTM Highway research Meeting. Publication: The Research Engineer, 5 times annually.

University of Idaho
ENGINEERING EXPERIMENT STATION
Moscow, Idaho
Allen S. Janssen, Director — Founded 1927

Conducts research work upon engineering problems of importance to industries, municipalities, public utilities, state departments and engineers of the state. Recent efforts have dealt with canal seepage, hydrologic telemetering, emulsions for treatment of road aggregates, chemical wastes and photoelastic stress analysis. Publication: Engineering Experiment Station Bulletin, irregular.

University of Illinois
ENGINEERING EXPERIMENT STATION
114 Civil Engineering Hall
Urbana, Illinois — Founded 1903
Ross J. Martin, Director — Staff: Professional 137

Conducts interdepartmental investigations in such interdisciplinary fields as radio-astronomy, control systems, biophysics, and measurement problems. Research results are all disseminated in papers and monographs. Publications: Engineering Experiment Station Bulletin Series, irregular, Circular Series, irregular.

Iowa State University
IOWA ENGINEERING EXPERIMENT STATION
104 Marston Hall
Ames, Iowa — Founded 1904
Dr. G.R. Town, Director — Staff: Professional 3, Other 14

Engages in fundamental investigations of all types of engineering principles and in the industrial processes to utilize the raw materials of the area or to make products of use to the region. Research is carried out in experimental programs and investigations in a wide variety of areas. Recent projects include studies in the fields of architecture, agricultural, aeronautical, ceramic, chemical, civil, electrical, industrial and mechanical engineering and theoretical and applied mechanics. Publication: Iowa State University Bulletin, irregular.

University of Kansas
CENTER FOR RESEARCH IN ENGINEERING SCIENCE
Lawrence, Kansas — Founded 1959
John S. McNown, Director — Staff: Professional 10, Other 1

Recently began program which will concentrate research attention in all of the branches of engineering technology.

Kansas State University
ENGINEERING EXPERIMENT STATION
Seaton Hall
Manhattan, Kansas — Founded 1910
Dean M.A. Durland, Director — Staff: Professional 6, Other 2

Conducts applied investigations, tests and development work of value to regional industries. Recent efforts have centered upon applied mechanics, architecture, chemical engineering, chemistry, civil engineering, economic analysis, electrical engineering, industrial and community analysis, geology and geography, mechanical engineering and physics. Conducts conferences and short courses in such fields as planning, highway engineering, air conditioning and industrial safety. Publication: Research Activities, annual.

University of Kentucky
ENGINEERING EXPERIMENT STATION
Lexington, Kentucky — Founded 1946
Dean R.E. Shaver — Staff: Professional 1, Other 1

Initiates, organizes and supervises research of regional interest, aids and consults on industrial research problems, develops and coordinates industrial and scientific research in the following fields of engineering: agricultural, chemical, civil, electrical, general, mechanical, mining and metallurgical. Available facilities include the Aeronautical Research Laboratory, Coal Laboratory, and the Highway Materials Research Laboratory. Publication: Engineering Experiment Station Bulletin, quarterly.

Louisiana Polytechnic Institute
DEPARTMENT OF ENGINEERING RESEARCH
Ruston, Louisiana
Dr. Virgil Orr, Head — Founded 1955

Encourages, promotes and facilitates research and disseminates results through publications. Contracts are undertaken on behalf of outside governmental or industrial agencies. Fields of interest include all of the areas of engineering activity and research is conducted in basic as well as applied problems. Publication: Engineering Research Bulletin, irregular.

Louisiana State University
ENGINEERING EXPERIMENT STATION
Atkinson Hall - Room 253-C
Baton Rouge 3, Louisiana — Founded 1924
Fred H. Fenn, Director — Staff: Professional 2, Other 2

Efforts are designed to provide a means of research to broaden the sphere of knowledge for use in academic teaching, to investigate and publish information concerning engineering problems of importance in municipal, rural, and industrial affairs, to undertake research and publish reports on engineering and scientific problems in the university and in co-operation with private and public agencies, and to provide opportunities for graduate engineers to conduct research which will prepare them most effectively for advance and professional service. Sponsors short course for superintendents and operators of water and sewerage systems and on fundamentals of occupational safety.

University of Maine
TECHNOLOGY EXPERIMENT STATION
College of Technology
Orono, Maine — Founded 1915

Carries on practical research in engineering topics for various state and municipal departments, and for industrial firms. Efforts are conducted in the fields of geology, chemical, civil, electrical and mechanical engineering.

University of Maryland
ENGINEERING EXPERIMENT STATION
College Park, Maryland
Dr. Wilbert J. Huff, Director

Conducts cooperative investigations with industries of Maryland and departments of the state and federal government. Studies are carried on by part-time services of academic personnel, post graduate students and special project personnel. Areas of active interest include aeronautical, chemical, electrical, civil and mechanical engineering.

University of Miami
ELECTRICAL ENGINEERING LABORATORIES
110 Anastasia Building
Coral Gables, Florida
Frank B. Lucas, Chairman — Founded 1947

Maintains facilities and equipment for conducting electronic research tests and measurements. Staffed by the faculty of the Department of Electrical Engineering.

University of Miami
JOHN MANTELL SANITARY ENGINEERING LABORATORY
Coral Gables Sewage Treatment Plant
Coral Gables, Florida — Founded 1955

Conducts prototype and pilot plant studies of the activated sludge process of sewage treatment. Research includes stream surveys and analyses, water and sewage treatment methods, industrial wastes treatment, plant operation, swimming pools and environmental sanitation.

Michigan State University
DIVISION OF ENGINEERING RESEARCH
East Lansing, Michigan — Founded 1924
John W. Hoffman, Director — Staff: Professional 1, Other 2

Conducts research bearing on fundamental engineering problems as well as on the industrial problems of the state. Efforts are carried out in agricultural engineering, applied mechanics, chemical engineering, computer problems, electrical engineering, mechanical and metallurgical engineering. Research findings appear in scientific journals and society transactions. Publication: Division of Engineering Research Bulletin, irregular.

Milwaukee School of Engineering
INDUSTRIAL RESEARCH INSTITUTE
1025 North Milwaukee Street
Milwaukee 2, Wisconsin
Karl O. Werwath, President — Founded 1935

Conducts research projects in engineering and allied fields, serves as an experimental station for industrial research investigations in applied areas and functions as a clearing house on scientific information for the public.

Mississippi State University
ENGINEERING AND INDUSTRIAL RESEARCH STATION
P. O. Box 1516
State College, Mississippi — Founded 1941
Harry C. Simrall, Director — Staff: Professional 7, Other 16

Conducts basic and applied research in all the fields of engineering and physical science. An important recent large scale research undertaking under contract with the Department of Defense dealt with the field of aerodynamics and boundary layer control. Sponsors several special short courses each year.

University of Mississippi
ENGINEERING EXPERIMENT STATION
Oxford, Mississippi — Founded 1941
Dr. F.H. Kellogg, Director — Staff: Professional 2, Other 1

Conducts research in a range of engineering fields. Recent efforts centered on property value in fragmentation study, thin shell concrete, and cooling stresses.

University of Missouri
ENGINEERING EXPERIMENT STATION
Columbia, Missouri — Founded 1909
Huber O. Croft, Director — Staff: Professional 1, Other 1

Conducts research in agricultural engineering, chemical engineering, civil engineering, electrical engineering, mechanical engineering, industrial engineering and special projects. Sponsors short courses and conferences on highway problems, air conditioning, air and water pollution, structural engineering and sewage works. Publications: Engineering Experiment Station Bulletins, irregular, Engineering Experiment Station Reprints, irregular.

Montana State College
ENGINEERING EXPERIMENT STATION
Bozeman, Montana — Founded 1924
Dr. E.W. Schilling, Director — Staff: Professional 1, Other 1

Conducts investigations and supplies engineering data designed to increase the economy, efficiency and safety of manufacturing, mining, transportation and other engineering and industrial interests of the state. Aids in development of local natural resources and furnishes technical aid to small firms which lack their own laboratory facilities. Provides technical help to state and cities and carries out technical studies under local, state or national sponsorship.

University of Montreal
POLYTECHNICAL RESEARCH CENTER
2500 Guyard Avenue
Montreal 29, Quebec, Canada
J.C. Bernier, Head — Founded 1947

Conducts applied and fundamental research in various branches of engineering, physics and chemistry. Publication: L'Ingenieur (The Engineer), quarterly.

University of Nebraska
ENGINEERING EXPERIMENT STATION
Lincoln 8, Nebraska — Founded 1914
George C. Ernst, Director — Staff: Professional 1, Other 1

Conducts research in agricultural, civil, mechanical, and electrical engineering, and in engineering mechanics. Projects are university, government and industry supported. Research results are issued in monograph, report and article form. Publication: Engineering Experiment Station Bulletin, irregular.

Newark College of Engineering
NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION
323 High Street
Newark 2, New Jersey
Dr. Joseph Joffe, Director — Founded 1959

Sponsors research in science and engineering conducted by general faculty. Typical projects include investigation of the relaxation mechanism of dipolar mixtures at microwave frequencies, investigation of improvement of tensile strength of Portland cement, electrophonetic mobility of proteins harmonic oscillation in the general theory of relativity and behavior of thin flat springs under cyclic loading. Sponsors summer workshops and seminars.

University of New Hampshire
ENGINEERING EXPERIMENT STATION
Kingsbury Hall
Durham, New Hampshire — Founded 1929
Dean Robert N. Faiman, Director — Staff: Professional 6, Other 4

Provides engineering and research facilities for the industries of the state and for governmental agencies. Projects range from basic areas of physics

and chemistry to specific studies in applied engineering fields. Facilities for the conduct of physical tests on metals, chemical analyses, microscopy, x-ray and radium techniques and the development of special test procedures are available. Publication: New Hampshire Horizons, quarterly.

University of New Mexico
ENGINEERING EXPERIMENT STATION
Albuquerque, New Mexico — Founded 1937
Dean M.E. Farris, Director — Staff: Prof. 30, Other 8

Conducts research in electrical, mechanical, and civil engineering. Sponsored by government agencies and private industry. Some areas of recent research included: electrical properties of semiconducting materials, radar terrain return, radar tracking errors, submarine communication, and measurement of dynamic stresses. Research results are published as bulletins and circulars. Sponsors symposia related to research functions.

New York University
RESEARCH DIVISION
College of Engineering
New York 53, New York — Founded 1942
Dr. Harold K. Work, Director — Staff: Prof. 195, Other 72

Sponsors a wide range of studies in the following engineering fields: aeronautical, chemical, civil and sanitary, electrical, engineering mechanics, industrial, mechanical, metallurgical, physical and mathematical. Publication: Engineering Research Review, 3 issues annually.

North Carolina State College
DEPARTMENT OF ENGINEERING RESEARCH
129 Riddick Building
Raleigh, North Carolina — Founded 1923
N.W. Conner, Director — Staff: Professional 35, Other 8

Emphasis is placed upon providing technical assistance and services to the industries of the state through programs of research to industry, development of new and increased utilization of regional natural resources and services to aid in establishing new industries in the state. Maintains an electron microscopy laboratory, project laboratories, a precision machine shop, an x-ray diffraction laboratory and photographic service to support its research efforts. Sponsors bi-weekly technical seminars; Quarterly Concrete Conference; Brick & Tile Engineering Short Course; Water Works School; Electrical Meter School; Southeastern Gas Meeting; On-Campus Tooling Conference; Quality Concrete Conference. Publication: Engineering Research News, quarterly.

North Dakota State College
ENGINEERING EXPERIMENT STATION
State College Station
Fargo, North Dakota
Dean Frank C. Mirgain, Director — Founded 1900

Seeks to stimulate engineering education, to investigate problems of importance to engineers, public and private utilities, to industries and to municipalities. Recent efforts have centered primarily on electrical engineering with particular emphasis upon radio propagation.

University of North Dakota
ENGINEERING EXPERIMENT STATION
Grand Forks 1, North Dakota
Dean E.L. Lium, Director — Founded 1889

Conducts a program of research in the following fields: chemical, civil, electrical, geological and mechanical engineering. Sponsors annual concrete conference and periodic conferences on power and sanitation.

Ohio State University
ENGINEERING EXPERIMENT STATION
156 West 19th Avenue
Columbus 10, Ohio — Founded 1913
Dean Harold A. Bolz, Director — Staff: Professional 42, Other 20

Conducts sponsored research and service projects for industry, the federal and state government and the general public and maintains continuing programs in the following major areas: ceramic research, chemical research, civil engineering research, metals research, operations research, and community development. Sponsors Short School for Water and Sewage Plant Operators, Seminar on Patient Care Research, Community Development Conference and Defense Policy Seminar. Publications: News in Engineering, quarterly.

Oklahoma State University
ENGINEERING RESEARCH AND EXPERIMENT STATION
Room 107 - Engineering Building
Stillwater, Oklahoma — Founded 1925
Dr. Clark A. Dunn, Director — Staff: Professional 3, Other 4

Conducts research efforts in all phases of engineering activity and coordinates the university's engineering studies. Sponsors frequent conferences and short courses in many technical fields. Publications: Oklahoma Engineering Experiment Station, irregular, Engineering Research Circulars, monthly.

Oregon State College
ENGINEERING EXPERIMENT STATION
Corvallis, Oregon — Founded 1927
James G. Knudsen — Staff: Professional 1, Other 1

Conducts research sponsored by various industries and governmental agencies as well as a program of basic engineering research which contributes to fundamental knowledge in the engineering sciences, and is of service to the state. Some recent efforts have centered on electric radiant-panel and reverse-cycle space heating, dielectric properties of Oregon works, culvert inlet designs and conduction vibrations. Administers a number of short courses and seminars, such as the Road Building Conference, Fleet Supervisors' Course, Maintenance Course, Concrete Inspectors' Short Course, Waterworks Operators' School, Sanitarians School, and Building Inspectors' School. Publication: Bulletin, irregular.

Pennsylvania State University
ENGINEERING EXPERIMENT DEPARTMENT
107 Engineering D
University Park, Pennsylvania — Founded 1911
E.R. Queer, Director — Staff: Professional 11, Other 6

Research programs have included heat and water vapor transmission through materials; studies on desiccants; studies in air conditioning and ventilation; radiant heating and electric heating in residences; studies in utilization of solar heating; building industry research; etc. Sponsors the following meetings: 1) Small Builders Conference, 2) Building Research Institute, 3) American Society of Heating, Refrigeration and Air Conditioning. Publication: Bulletins and Technical Papers, irregular.

Pennsylvania State University
RESEARCH PROGRAM
College of Engineering and Architecture
102 Engineering "D"
University Park, Pennsylvania
Dr. Paul Ebaugh — Staff: Professional 5, Other 79

Research is carried out in the fields of civil, aeronautical, architectural, electrical, industrial, nuclear, engineering mechanics and mechanical engineering. Sponsors numerous engineering seminars and conferences. Publication: Engineering Research Bulletin, irregular.

University of Pittsburgh
ENGINEERING RESEARCH DIVISION
405 Engineering Hall
Pittsburgh 13, Pennsylvania — Founded 1941
Dr. G.R. Fitterer, Director — Staff: Professional 9, Other 3

Sponsors studies in a wide range of engineering fields.

Polytechnic Institute of Brooklyn
DEPARTMENT OF AERONAUTICAL ENGINEERING & APPLIED MECHANICS
333 Jay Street
Brooklyn, New York — Founded 1940
Prof. Antonio Ferri, Head — Staff: Professional 40

Efforts are divided between two research groups. Group A, structures and applied mechanics, is based at the school's main center. Group B, the aerodynamics laboratory is in Freeport, New York. Research activities are related to the design of ultra high speed aircraft and the solution of astronautical problems.

Purdue University
ENGINEERING EXPERIMENT STATION
Engineering Administration Building
West Lafayette, Indiana
Dr. George A. Hawkins, Director — Founded 1917

Conducts research activities in all the fields of engineering instruction including aeronautical, agricultural, chemical, metallurgical, civil, electrical, industrial and mechanical engineering and in the engineering sciences. Research results are published in bulletins and journal articles. Conducts numerous institutes, short courses, seminars and conferences, i.e., Purdue Road School, Mechanisms Conference, Nuclear Engineering Institute and Industrial Wastes Conference. Publications: Engineering Experiment Station Bulletins, Irregular, Research Activities Bulletin, annual.

University of Rhode Island
DIVISION OF ENGINEERING RESEARCH AND DEVELOPMENT
Kingston, Rhode Island — Founded 1942
Dr. T. Stephen Crawford, Director — Staff: Professional 2, Other 1

Seeks to expand understanding by disseminating results of investigations and assists governmental and industrial organizations in the state in the solution of applied problems. Facilities are available for studies in chemical, civil, electrical, industrial, mechanical, metallurgical and sanitary engineering, mathematics and physics. Research results are published in bulletins, circulars and reprints. Sponsors conferences, seminars and workshops related to research interests.

Rutgers – The State University
BUREAU OF ENGINEERING RESEARCH
New Brunswick, New Jersey — Founded 1948
Dr. Elmer C. Easton, Chairman — Staff: Prof. 16, Other 15

Conducts research of a basic nature as well as studies aimed at the solution of specific problems. Efforts are carried forward in civil, electrical, general, and mechanical engineering, in ceramic studies and in general planning areas. Research findings are issued as reports, monographs and journal articles. Publication: Annual Report.

University of Southern California
ENGINEERING CENTER
University Park
Los Angeles 7, California — Founded 1946
Dr. Raymond L. Chuan, Director — Staff: Prof. 24, Other 106

Operates supersonic wind tunnel, supersonic low density wind tunnel, conducts electronics research and development, and studies of plasma heating, cyrogenics and micro waves.

Southern Methodist University
AERONAUTICAL ENGINEERING LABORATORY
Mechanical Engineering Department
Dallas 5, Texas — Founded 1958
Dr. E.E. Weynand, Professor — Staff: Professional 3

The laboratory is still in the development stage. A blow-down wind tunnel with a 12" by 12" test section is being placed in operation. A multiple source schlieren and other instrumentation are being developed. Additional equipment and research in the laboratory include a vortex tube for studying separation, a shaker table, a smoke tunnel, and several pieces of equipment for test purposes.

University of Tennessee
ENGINEERING EXPERIMENT STATION
101 Perkins Hall
Knoxville 16, Tennessee — Founded 1923
A.T. Granger, Director — Staff: Professional 4, Other 8

Conducts research in a wide range of engineering areas including highway base stabilization, highway slipperiness, pavement design, durability of concrete, culvert installation, dynamic testing of materials,bridge design, industrial waste disposal, hydraulic roughness, stresses in unusual structural shapes, and antenna design for military communication systems. Studies are conducted under industry as well as state sponsorship. Sponsors Annual Tennessee Highway Conference. Publication: Bulletin, irregular.

Agricultural & Mechanical College of Texas
TEXAS ENGINEERING EXPERIMENT STATION
College Station, Texas — Founded 1914
Aaron Rose, Director — Staff: Prof. 50, Other 46

Conducts a varied research program in engineering and related sciences. Recent acquisitions have included a 5 megawatt swimming pool research reactor and a Data Processing Center (IBM 704 and 650 computers). Research results are published as bulletins, research reports and reprints of journal articles. Sponsors an Industrial Development Conference, Conference on Utilization of Atomic Energy, Water Works Short Course, Oil Mill Operators' Short Course, etc. Publication: Texas Engineering Experiment Station News, quarterly.

University of Texas
BUREAU OF ENGINEERING RESEARCH
P.O. Box 7977
Austin 12, Texas — Founded 1922
Prof. Raymond F. Dawson, Assoc. Dir. — Staff: Professional 1, Other 7

Sponsors and facilitates research activities in all the areas of engineering concern which are of interest to the faculty. Recent efforts centered on aeronautics, ceramics, chemical engineering, civil engineering, electrical engineering, engineering mechanics, mechanical engineering, meteorology, petroleum engineering, etc. Sponsors conferences and short courses. Publications: Bulletins, irregular, Circulars, irregular, Reprints, irregular.

Utah State University
ENGINEERING EXPERIMENT STATION
Logan, Utah — Founded 1918
Dr. Vaugh E. Hansen, Director — Staff: Professional 3, Other 2

Conducts basic and applied research in civil, electrical, mechanical, tool and agricultural engineering. Emphasis is placed upon development of water resources and methods of water control and utilization. Typical recent subjects of study included highways, hydraulics, servomechanisms, concrete, materials of engineering and radio propagation.

Utah State University
UTAH SCIENTIFIC RESEARCH FOUNDATION
Logan, Utah — Founded 1944
James A. Hardman, Director — Staff: Professional 8, Other 12

Promotes and encourages scientific investigations, and performs research and development work mainly related to mechanical engineering.

University of Utah
UTAH ENGINEERING EXPERIMENT STATION
Salt Lake City 12, Utah — Founded 1909
P.J. Elsey, Asst. Director — Staff: Professional 6, Other 3

Conducts research in a wide range of engineering activities. Recent efforts included: development of building brick from lime clay or marls, geochemical exploration methods, mineral resources studies, gravity and seismic studies, survey of sewer treatment plants, and research on bulk solids flow. A laboratory to study Great Salt Lake brines and to develop processes economically feasible for removal of valuable constituents has been set up. Publication: Bulletin, irregular.

Vanderbilt University
DIVISION OF RESEARCH AND DEVELOPMENT
School of Engineering
Nashville 5, Tennessee
Dillard Jacobs, Exec. Director — Founded 1953

Acts as a coordinating faculty in the conduct of research for industry and government by all of faculty and staff of the various fields of engineering.

Virginia Polytechnic Institute
VIRGINIA ENGINEERING EXPERIMENT STATION
Blacksburg, Virginia — Founded 1921
Dr. John W. Whittemore, Director — Staff: Professional 3, Other 6

Conducts research in the fields of aeronautical, agricultural, architectural, ceramic, chemical, civil, electrical, industrial, mechanical, metallurgical and mining engineering fields as well as in engineering mechanics, geology and geophysics. Publication: Bulletin, monthly.

University of Virginia
RESEARCH LABORATORIES FOR THE ENGINEERING SCIENCES
Thornton Hall
Charlottesville, Virginia — Founded 1941
Dr. A. R. Kuhlthau, Director — Staff: Professional 40, Other 20

Conducts and sponsors research and development in all branches of engineering and in engineering physics.

West Virginia University
ENGINEERING EXPERIMENT STATION
Morgantown, West Virginia — Founded 1936
Dr.W.A. Koehler, Director — Staff: Professional 5, Other 1

Encourages and conducts investigations on industrial and technical problems of the state, primarily in production, processing and use of natural resources. Primary attention centers on engineering problems of coal, oil, gas, clays, stone, sand, timber, water, power, sewage, sanitation, road building, transportation, aeronautics and communications. Sponsors Annual Appalachain Underground Corrosion Short Course, Annual Gas Measurement Short Course, Annual Fire School, and other conferences and seminars. The Engineering Experiment Station has administrative jurisdiction over research in the College of Engineering and the School of Mines. Publications: Research Bulletins, irregular, Technical Bulletins, irregular Technical Papers, irregular.

University of Wichita
DEPARTMENT OF ENGINEERING RESEARCH
1845 Fairmount
Wichita 14, Kansas — Founded 1947
Robert K. Wattson, Jr., Head — Staff: Prof. 17, Other 31

Conducts a program of sponsored research under contract to agencies of the United States and to commercial firms. Principal research areas are the testing of aerodynamic models, aircraft components and materials and the construction of models and instrumentation.

University of Wisconsin
ENGINEERING EXPERIMENT STATION
Mechanical Engineering Building
Madison 6, Wisconsin
W.R. Marshall,Jr., Assoc. Director

Promotes and sponsors investigations on industrial and engineering problems. Cooperates with industries, manufacturers, and professional engineers in the solution of fundamental problems. Research is carried out in all the fields of engineering concern. Research results are issued in published form.

SECTION 14—PHYSICAL SCIENCES

University of Akron
INSTITUTE OF RUBBER RESEARCH
302 East Buchtel Avenue
Akron 4, Ohio — Founded 1956
Dr. Maurice Morton, Director — Staff: Professional 25, Other 2

Conducts basic research in polymer chemistry and physics, with special emphasis on elastomers. Activities include the synthesis of new polymers, characterization of molecular structure and the relation of molecular constitution to physical behavior. Studies are sponsored by contracts and grants from government and industry. Sponsors annual summer program on the Chemistry and Physics of Elastomers.

University of Alabama
STATE MINE EXPERIMENT STATION
Box 1466
University, Alabama
J.R. Cudworth, Director — Founded 1923

Conducts research in Alabama coal deposits with reference to combustion, analysis, petrographic composition, oxidation rates, breakage and reserves. Also carries on studies of the state's geology, the economic problems of the state's mineral resources and the solution of mineral problems. Research results are issued in bulletin and technical report form.

University of Alaska
GEOPHYSICAL INSTITUTE
Box 938
College, Alaska — Founded 1950
Dr. C.T. Elvey, Director — Staff: Professional 31, Other 58

Conducts fundamental geophysical research pertaining to the arctic regions. Basic research program has been established which may be termed "solar-terrestrial relationships concerning auroral zone phenomena." A program of ice and perma frost research has been started. Contracts are solicited which contribute to these aims.

University of Alberta
INSTITUTE OF THEORETICAL PHYSICS
Edmonton, Alberta, Canada
Prof. Dr. L.E.H. Trainor

University of Arizona
ARIZONA BUREAU OF MINES
Tucson 25, Arizona — Founded 1915
Dr. J. D. Forrester, Director — Staff: Professional 5, Other 1

Classifies mineral and rock specimens, makes qualitative tests for important elements, and answers inquiries concerning the probable market for and the economic value of material similar to samples submitted. Conducts laboratory and pilot-plant metallurgical testing of mineral substances in cooperation with industries and individual mine operators in the State. Investigates mining districts and counties and makes geologic maps and reports. Maintains a working file of statistical records of mineral production in Arizona. Develops well-log storage facilities and a library of oil and water wells drilled in Arizona. Conducts state-wide commodity studies as to modes of occurrence and potential industrial value of various mineral materials. Publication: Arizona Bureau of Mines Bulletin, irregular.

University of Arizona
GEOCHRONOLOGY LABORATORIES
Tucson, Arizona — Founded 1956
Prof. Terah L. Smiley, Director — Staff: Professional 7, Other 2

An interdisciplinary program involving geology, botany, zoology, climatology, and archaeology. Principal efforts are in 1) paleontology: intensive studies on cenozoic fossils with less intensive work on earlier materials; 2) palynology: intensive work on postglacial pollen sequences and additional work on glacial pollen studies. Work on paleozoic and mesozoic material being planned; 3) geochemistry: potassium-argon and radiocarbon dating. Also engages in emission spectrography and other geochemical work.

University of Arizona
INSTITUTE OF ATMOSPHERIC PHYSICS
Tucson, Arizona — Founded 1954
Dr. A.Richard Kassander, Jr., Director — Staff: Professional 11, Other 8

Conducts research in the physical meteorology and climatology of the southwest and of arid regions in general. Particular emphasis is placed upon basic investigations leading to a better understanding of the atmospheric processes that affect cloud and precipitation processes characteristic of the southwest. Maintains a punch-card climatological library believed to be the most extensive state collection of cards in the country. Publications: Scientific Report, irregular, Technical Report of the Meteorology and Climatology of Arid Regions, irregular.

University of Arizona
INSTITUTE OF WATER UTILIZATION
Tucson, Arizona — Founded 1957
Sol Resnick, Hydrologist — Staff: Professional 2, Other 1

Studies are concerned with artificial recharge of ground water basins, evaporation suppression, purification of brackish water, paving of catchment areas to increase surface runoff.

University of British Columbia
FRASER RIVER MODEL PROJECT
Department of Civil Engineering
Vancouver 8, B.C., Canada — Founded 1948
Prof. E.S. Pretious, Director — Staff: Professional 2, Other 7

Studies and solves problems arising out of the regulation, control and maintenance of the navigable channels of the Fraser River estuary.

University of Buffalo
CARBON RESEARCH LABORATORY
Buffalo 14, New York — Founded 1952
Dr. Stanislaw Mrogowski, Director — Staff: Professional 4, Other 2

Conducts studies at high and low temperatures of mechanical (elasticity, creep, strength) thermal (heat conductivity and diffusivity, thermal expansion), optical (infrared absorption) and electronic properties (electrical resistivity, magneto resistivity, Hall effect, thermoelectric effect, magnetic susceptibility, electron spin resonance) of carbons, carbon blacks and graphites in relation to their structure (porosity, electron microscope and x-ray studies) and to processing parameters (particle size, binder content, heat-treatment temperature, etc). Lameller compounds and oxidation are also investigated. Sponsors biennial conference on carbon.

University of Buffalo
WESTERN NEW YORK NUCLEAR RESEARCH CENTER
Buffalo 14, New York — Founded 1959
Dr. Ralph F. Lumb, Director — Staff: Professional 3, Other 7

Program just beginning. Engages in broad program of nuclear research including nuclear physics, nuclear engineering, materials testing, radiation chemistry, medical research using nuclear radiations, et al.

California Institute of Technology
CHARLES ARMS & SEELEY W. MUDD LABORATORIES OF THE GEOLOGICAL SCIENCES
Pasadena, California — Founded 1938

Conducts a program of laboratory research in geology, geochemistry and geophysics. Maintains a division library, special equipment and rock collections.

California Institute of Technology
DIVISION OF CHEMISTRY AND CHEMICAL ENGINEERING
1201 East California Street
Pasadena, California — Founded 1891
Dr. Ernest H. Swift, Chairman — Staff: Professional 85, Other 105

Conducts a wide range of studies in every field of chemistry and chemical engineering. Sponsors weekly chemistry research conference and many other conferences and seminars.

California Institute of Technology
GUGGENHEIM AERONAUTICAL LABORATORY
1201 E. California Street
Pasadena 4, California — Founded 1928
Dr. Clark B. Millikan, Director — Staff: Professional 17, Other 33

Conducts fundamental and applied studies of aerodynamics, fluid mechanics, solid mechanics, elasticity instructors, aircraft and missile design and performance, etc.

California Institute of Technology
JET PROPULSION LABORATORY
4800 Oak Grove Drive
Pasadena, California — Founded 1936
Dr. William H. Pickering, Director — Staff: Prof. 900, Other 1700

A space research and development agency concerned with the exploration of the moon and deep space. Operated for National Aeronautics and Space Administration.

California Institute of Technology
W.K. KELLOG RADIATION LABORATORY
Pasadena, California — Founded 1932

Conducts a program of research in nuclear physics.

University of California
ARCHAEOLOGICAL SURVEY
Berkeley 4, California — Founded 1948
Dr. Robert F. Heizer, Director — Staff: Professional 3, Other 1

Excavation and survey of archaeological sites in California, and publication of results of varied archaeological projects. Maintains file of manuscripts, locations and descriptions of archaeological sites throughout state, and library of journals and reprints pertaining to local archaeology. Publication: University of California Archaeological Survey Report, quarterly.

University of California
CROCKER LABORATORY
110 Crocker Radiation Laboratory
Berkeley, California
Warren M. Garrison, Supervisor

University of California
HYDRAULIC LABORATORIES
Hesse Hall
Berkeley 4, California — Founded 1895
Prof. J.W. Johnson, Director — Staff: Professional 6, Other 5

Conducts a wide range of studies in the broad field of hydraulics.

University of California
LABORATORY OF RADIO ASTRONOMY
655 Campbell Hall
Berkeley, California
Harold F. Weaver, Director

University of California
LAWRENCE RADIATION LABORATORY
149 Building 50 - Radiation Laboratory
Berkeley 4, California
Edwin M. McMillan

University of California
SEISMOGRAPHIC STATIONS
Berkeley 4, California — Founded 1887
Dr. Perry Byerly, Director — Staff: Professional 2, Other 2

Conducts the operation of some 13 seismographic stations. Research centers on the location of epicenters. Publication: Bulletin of the Seismographic Stations, quarterly.

University of California
LOS ALAMOS SCIENTIFIC LABORATORY
P. O. Box 1663
Los Alamos, New Mexico — Founded 1943
Dr. Norris E. Bradbury, Director — Staff: Prof. 1100, Other 2100

Carries on both basic and programmatic research in the sources and uses of nuclear energy, with emphasis on nuclear and thermonuclear weapons, power and propulsion, and the effects of radiation on tissue, under contract to the U.S. Atomic Energy Commission. Sponsors frequent conferences, seminars and symposia related to research functioning.

University of California
ARCHAEOLOGICAL SURVEY
405 Hilgard Avenue
Los Angeles 24, California — Founded 1958
Dr. Clement W. Meighan, Director — Staff: Professional 2, Other 1

Recently established to conduct field research in archaeology with primary concentration on the ten southern counties of California. First efforts are being concentrated on the San Diego County and Channel Island regions. Research results take the form of specimens used in instruction and in the publication of scientific articles.

University of California
INSTITUTE OF GEOPHYSICS
405 Hilgard
Los Angeles 24, California — Founded 1947
Louis B. Slichter, Director — Staff: Professional 8, Other 11

Encourages fundamental research in geophysical sciences, including atmospheric physics, high pressure physics, geochemistry, gravitation, oceanography, etc.

University of California
MARINE PHYSICAL LABORATORY
Scripps Institution of Oceanography
San Diego 52, California — Founded 1946
Dr. F.N. Spiess, Director — Staff: Professional 23, Other 6

Conducts theoretical and experimental investigations of the principles governing the generation, propagation and reception of energy in the ocean and surrounding media and supports basic studies in allied geophysical fields. Publication: Marine Physical Laboratory Progress Report, quarterly.

Carnegie Institute of Technology
CHEMICAL AND PETROLEUM RESEARCH LABORATORY
Pittsburgh 13, Pennsylvania — Founded 1950
Frederick D. Rossini, Director — Staff: Professional 19, Other 16

Conducts research ranging over a wide field of laboratory analyses concerning chemical and petroleum uses and properties.

Carnegie Institute of Technology
METALS RESEARCH LABORATORY
Pittsburgh 13, Pennsylvania — Founded 1927
Dr. Robert F. Mehl, Director — Staff: Professional 42, Other 28

Devoted to the prosecution of basic research on the science and the engineering of metals. Projects are self-financed as well as sponsored by external agencies. Broad fields of investigation include: vapor nucleation, phase equilibria, diffusion, heat treatment, oxidation, electrochemistry of metal, nuclear erradiation, mechanical metallurgy, physics of metals, metallography, powder metallurgy, non-aqueous melts, rates of slag-metal reactions and iron and steelmaking processes. Sponsors frequent research-related seminars.

Carnegie Institute of Technology
NUCLEAR RESEARCH CENTER
Saxonburg, Pennsylvania
Prof. R.B. Sutton, Director

Catholic University of America
KEANE PHYSICS RESEARCH CENTER
Washington 17, D.C.
Dr. Karl Herzfeld, Head

Catholic University of America
MATERIALS TESTING LABORATORY
Washington 17, D.C.
Mr. Frank A. Biberstein, Head

University of Chicago
ENRICO FERMI INSTITUTE FOR NUCLEAR STUDIES
Chicago 37, Illinois — Founded 1946
Dr. Herbert L. Anderson, Director — Staff: Professional 115

Provides facilities for research in the following fields: 1) application of chemical methods to the study of nuclei and of fundamental particles, and to the problems of cosmogony; 2) experimental nuclear and elementary particle physics, including researches with the mesons produced by the Institute's 460-Mev synchro-cyclotron; 3) cosmic-ray studies; 4) theoretical physics; 5) magnetic resonance studies of the electronic structures of atoms and molecules.

University of Chicago
INSTITUTE FOR THE STUDY OF METALS
Chicago 37, Illinois
Dr. Earl A. Long, Director — Staff: Professional 20

An association of scientists whose research interests lie in the physics, chemistry and mechanics of solids, with particular emphasis on metals. It operates specialized facilities, such as x-ray diffraction and analytical laboratories, a high pressure laboratory, low-temperature laboratory and metallurgical fabrication equipment.

University of Chicago
LABORATORY OF CLIMATOLOGY
Route 1, Centerton
Elmer, New Jersey — Founded 1948
C.W. Thornthwaite, Director — Staff: Professional 7, Other 9

Conducts research on climatic and hydrologic problems, agricultural and industrial climatology, hydrology, waste water disposal, irrigation, crop scheduling, air pollution, and instruments. Publications: Publications in Climatology, irregular.

University of Chicago
WEATHER FORECAST RESEARCH CENTER
Chicago 37, Illinois
Sverre Petterssen, Director

Colorado School of Mines
RESEARCH FOUNDATION, INC.
Golden, Colorado — Founded 1949
E.H. Crabtree, Director — Staff: Professional 75, Other 50

Sponsors and conducts all types of research in the mineral industries, including mining, metallurgical, chemical processing, etc. Publication: Mineral Industries Bulletin, bimonthly.

Columbia University
COLUMBIA RADIATION LABORATORY
538 West 120th Street
New York 27, New York — Founded 1942
Prof. Polykarp Kusch, Exec. Director — Staff: Professional 15, Other 16

Conducts research investigations directed toward extending the useful range of the electromagnetic spectrum. Publication: Quarterly Progress Report.

Columbia University
ELECTRONICS RESEARCH LABORATORIES
632 West 125th Street
New York 27, New York — Founded 1951
Prof. Lawrence H.O'Neill, Director — Staff: Prof. 73, Other 71

Engages in basic and applied research projects in the fields of systems, radar, computers, engineering psychology, acoustics, and related areas.

Columbia University
HUDSON LABORATORIES
145 Palisade Street
Dobbs Ferry, New York — Founded 1951
Dr. R.A. Frosch, Director — Staff: Professional 70, Other 146

Conducts a program of research in ocean physics, with emphasis on acoustics. The 2900 ton research vessel USNS Josiah Willard Gibbs is under operational control of Hudson Laboratories.

Columbia University
INSTITUTE OF FLIGHT STRUCTURES
New York 27, New York — Founded 1954
Dr. H.H. Bleich, Director — Staff: Professional 20, Other 5

Conducts research in the field of structures, structural materials and their properties. Sponsored efforts are carried on in the fields of thermal stress, visco-elastic behavior at elevated temperatures, ablation, fatigue, vibration and wave propagation. Sponsors professional meetings on special topics (3-4 a year) open to public.

Columbia University
LAMONT GEOLOGICAL OBSERVATORY
Torrey Cliff
Palisades, New York — Founded 1949
Dr. Maurice Ewing, Director — Staff: Prof. 117, Other 93

Conducts research in geophysics, geochemistry, marine geology and biology, applying the methods of physics, chemistry, biology, mathematics and engineering to the investigation of the earth. A major part of the program is devoted to marine research. "The seismological observatory at Palisades, with about 20 instruments continuously recording, is one of the finest in the world for the study of distant earthquakes." Sponsors research seminars.

Cornell University
CENTER FOR RADIOPHYSICS AND SPACE RESEARCH
Phillips Hall
Ithaca, New York — Founded 1960
Prof. Thomas Gold — Staff: Professional 5, Other 3

Conducts research studies of radar beyond ionosphere, planetary radar, and the instrumentation of space vehicles for interplanetary plasma measurements.

Cornell University
CORNELL AERONAUTICAL LABORATORY
4455 Genesee Street
Buffalo 21, New York — Founded 1946
Dr. Ira G. Ross, President — Staff: Prof. 1000, Other 248

Conducts a program of sponsored research of the early-applied-variety, centered in the aeronautical and electronic fields, the majority of which is sponsored by the Department of Defense. Major research divisions include systems research, engineering sciences, physics, aerodynamics, experimental facilities, full scale or flight research and special departments. Publications: Annual Report, Research Trends, quarterly.

Cornell University
I.G.Y. WORLD DATA CENTER A - AURORA (VISUAL)
420 Hollister Hall
Ithaca, New York — Founded 1957
Prof. Carl W. Gartlein, Director — Staff: Professional 2, Other 4

Store visual aurora data from United States and Canada and interchange with IGY Data Centers abroad. Supply information in this hemisphere. Associated projects do research on location and description of aurora and its relation to geomagnetism, ionosphere and radiation bands. Publication: I.G.Y. World Data Center A - Aurora (Visual), irregular.

University of Dayton
RESEARCH INSTITUTE
Dayton 9, Ohio — Founded 1949
John R. Westerheide, Director — Staff: Professional 48, Other 52

Conducts research in the following fields: nuclear and thermal nuclear effects on aircraft and aircraft structures, development of instrumentation for use in the environment of a nuclear detonation, aircraft nuclear delivery capability studies, properties analysis of unique and advanced materials, structure studies of metallic wiskers by high speed-high intensity x-ray impulses, development of acoustic filtering techniques for transient pressure measuring systems, investigations to determine methods of producing high temperatures by means of a pressure energy exchange process, human engineering, animal behavior studies and training, electron tube and transistor analysis, and ion exchange studies.

Florida State University
NUCLEAR RESEARCH SERVICES
Tallahassee, Florida — Founded 1957
Dr. Jack W. Eichinger, Jr. — Staff: Professional 1, Other 15

Maintains and operates a central facility which includes a 16 Mev Tandem Van de Graaff positive ion accelerator and a 3 Mev Van de Graaff electron accelerator together with supporting services (safety program, electronics shop, machine shop, glass shop, etc.). Research is conducted by faculty members and graduate students of various academic departments of the University.

University of Florida
NAVAL STORES RESEARCH LABORATORY
Gainesville, Florida — Founded 1935
Dr. J.E. Hawkins, Director — Staff: Professional 1, Other 1

Pursues fundamental research on the physical and thermodynamic properties of terpenes, methods of purification and rates of reactions. As the chemistry of these compounds is similar to the compounds dealt with in the citrus industry, the program is designed to aid both the naval stores and the citrus industries of Florida.

Georgetown University
SEISMOLOGICAL OBSERVATORY
Washington 7, D.C.
Bernard McConnell, S.J., Director — Founded 1909

Harvard University
CYCLOTRON LABORATORY
44 Oxford Street
Cambridge 38, Massachusetts — Founded 1947
Dr. William M. Preston, Director — Staff: Professional 3, Other 14

Conducts experiments in high energy nuclear physics with particular emphasis on nucleon-nucleon scattering. Publication: Navy Contract Progress Report, quarterly.

Harvard University
SEISMOGRAPH STATION
Cambridge, Massachusetts
Dr. Lewis D. Leet

Seismographic records are maintained and reports sent to central observatories engaged in epicentral location work.

University of Idaho
IDAHO BUREAU OF MINES AND GEOLOGY
Moscow, Idaho
Dr. Earl F. Cook, Director — Staff: Professional 6, Other 2

Conducts a program of research in geology related primarily to the problems and purposes of the region.

Illinois Institute of Technology
INSTITUTE OF GAS TECHNOLOGY
17 West 34th Street
Chicago 16, Illinois — Founded 1941
Dr. Martin A. Elliott, Director — Staff: Prof. 64, Other 16

Conducts program of basic and applied research in the fields of utility gas production, transmission, distribution and utilization. Disseminates technical data on the industry through its literature abstracting service and the publication of technical papers based upon research efforts. Sponsors annual summer institute in natural gas technology for graduate gas engineers. Publication: Gas Abstracts, monthly.

University of Illinois
RADIOCARBON LABORATORY
139 Davenport Hall
Urbana, Illinois — Founded 1948
Dr. Robert F. Nystrom, Director — Staff: Professional 2

Conducts research on chemical, physical, and biological problems by use of the tracer technique with carbon-14 and hydrogen-3. Modern radiochemical equipment for the synthesis, degradation, isolation, and assay of radioactive compounds is available for use in these works.

Iowa State University
AMES LABORATORY
Ames, Iowa — Founded 1947
Dr. F.H. Spedding, Director — Staff: Prof. 250, Other 175

Conducts research in the basic sciences and pioneering-type development work, and seeks to contribute fundamental knowledge basic to the release, effects and utilization of atomic energy. The program includes studies in chemistry, physics, metallurgy and engineering. Publication: Ames Laboratory News, bimonthly.

Iowa State University of Science and Technology
INSTITUTE FOR ATOMIC RESEARCH
Ames, Iowa — Founded 1945
Dr. Frank H. Spedding, Director — Staff: Prof. 205, Other 190

Objectives are to maintain a strong group of scientists working in areas related to nuclear processes and to develop those phases of physics, chemistry, metallurgy, engineering and biology which are related, and to conduct research in the fields of nuclear science and atomic energy in contractual arrangement with the federal government. Publication: Institute Bulletin, monthly.

State University of Iowa
IOWA INSTITUTE OF HYDRAULIC RESEARCH
Iowa City, Iowa — Founded 1931
Dr. Hunter Rouse, Director — Staff: Professional 9, Other 10

Conducts basic and applied research on many aspects of fluid motion (irrotational flow, turbulence, boundary-layer development, surface roughness, stratified flow, sediment transportation, hydrology, electronic instrumentation) as staff and graduate-student projects or contract investigations for private and governmental organizations. Sponsors Hydraulics Conference every three years. Publication: Engineering Bulletins and Reprints, irregular.

John Carroll University
SEISMOLOGICAL OBSERVATORY
Cleveland 18, Ohio — Founded 1947
Rev. Henry F. Birkenhauer, S.J. — Staff: Professional 2

Registers earthquakes and location of epicenters, tests industrial equipment on 600-pound shaking table and measures effects of vibrations from blasting and industrial sources such as forging hammers and other impact equipment. Services are available to industry on a consulting basis. Publication: Monthly Bulletin.

Johns Hopkins University
APPLIED PHYSICS LABORATORY
8621 Georgia Avenue
Silver Spring, Maryland — Founded 1942
Dr. R.E. Gibson, Director — Staff: Prof. 740, Other 892

Conducts research and development in guided-missile systems, space exploration, advanced fleet weapons systems, adaptive machines, and tactical analysis. Carries on fundamental research in fluid mechanics, electronic, microwave, solid-state, and theoretical physics, excitation mechanisms, and combustion. Principal fields of inquiry include electronics (guidance and control systems, analog and digital computers, satellite instrumentation); structural mechanics, control system dynamics, servomechanism design, propulsion systems and fuels, aerodynamics, operations analysis. Much of the research program is conducted as classified and confidential activities. Conducts conferences related to research efforts.

Johns Hopkins University
DIELECTRICS LABORATORY
1315 St. Paul Street
Baltimore 2, Maryland — Founded 1950
L. J. Frisco, Director — Staff: Professional 4, Other 1

Conducts investigations involving electrical properties of solid dielectrics at frequencies up to 100-mc. Recent efforts have centered on behavior of dielectrics in space environment.

Laval University
AERODYNAMICS LABORATORY
Quebec, Canada — Founded 1956
Prof. C.I.H. Nicholl — Staff: Professional 3, Other 2

Conducts research in vhf radio heating of gas flow to make possible hypersonic flow, and of boundary layer control on high lift aerofoils, rising wide-angle diffusion at supersonic and subsonic velocities.

Linfield College
LINFIELD RESEARCH INSTITUTE
McMinnville, Oregon — Founded 1955
Dr. W.P. Dyke, Director — Staff: Professional 26, Other 27

Conducts sponsored contract research, chiefly for government agencies, in electron physics and related fields, specializing in field emission and its applications. Conducts active projects in biology as well.

Louisiana State University
DIVISION OF ORGANIZED RESEARCH
College of Chemistry and Physics
Baton Rouge 3, Louisiana — Founded 1944
Dr. A.R. Choppin, Dean — Staff: Professional 2, Other 1

Conducts studies in food preservation; diseases in the shrimp, fishing, and oyster industries; corrosion research; spectroscopic research, both theoretical and applied; kinetic studies; gas-liquid chromatography; microdetection and analytical procedures; ultramicroscope particle size studies, etc. The program is handled primarily by consultation with the individual sponsoring organizations.

University of Maryland
INSTITUTE FOR MOLECULAR PHYSICS
College Park, Maryland — Founded 1954
Prof. G.F. Woods, Acting Director — Staff: Professional 11, Other 6

Carries on fundamental experimental and theoretical investigations of molecular interactions and the properties of matter. Research results are published in scholarly media.

Massachusetts Institute of Technology
LABORATORY FOR NUCLEAR SCIENCE
Boston, Massachusetts Founded 1946

Engages entirely in basic research. Among research fields are theoretical studies of atomic nucleus, studies of photoreproduction of mesons, analysis of new fundamental particles involving broad efforts using nuclear emulsions, cloud chambers and bubble chambers.

Massachusetts Institute of Technology
PLASTICS RESEARCH COMMITTEE
Boston, Massachusetts

Coordinates studies in plastics involving chemical, architectural and civil and mechanical engineering aspects of plastics.

Massachusetts Institute of Technology
RESEARCH LABORATORY OF ELECTRONICS
77 Massachusetts Avenue
Cambridge, Massachusetts

A federation of many different faculty groups with a common interest in physics and mathematics and their applications. Recent studies dealt with different aspects of communication including statistical communication theory, noise theory, properties of speech signals, radio signal propagation, communications biophysics, switching circuits and electron spectroscopy.

Massachusetts Institute of Technology
SOLAR ENERGY UTILIZATION COMMITTEE
Boston, Massachusetts

Fosters and coordinates analysis of solar energy utilization.

Massachusetts Institute of Technology
SPECTROSCOPY LABORATORY
Cambridge 39, Massachusetts Founded 1930
Dr. Richard C. Lord, Director Staff: Professional 25, Other 10

Conducts basic research in all branches of optical spectroscopy from vacuum ultraviolet to far infrared; pioneer work in the ruling of large, high-performance diffraction gratings by interferometric control. Sponsors annual program for research workers on Technique and Applications of Infrared Spectroscopy.

University of Miami
INDUSTRIAL CHEMICAL RESEARCH LABORATORY
Coral Gables, Florida Founded 1951
Dr. Walter O. Walker, Director Staff: Professional 3

Conducts research of service to the refrigeration industry, specializing in such problems as corrosion, analytical methods, deterioration of lubricants and analysis of trouble factors in refrigerating systems.

University of Miami
RADAR METEOROLOGICAL LABORATORY
P.O. Box 8003
Coral Gables 46, Florida Founded 1953
Dr. Homer W. Hiser, Assoc. Professor Staff: Professional 3, Other 2

Develops special radar equipment for meteorological use, studies severe storms including hurricanes, conducts radar propagation studies, studies precipitation and cloud physics by use of radar.

University of Miami
SOIL MECHANICS LABORATORY
MacArthur Engineering Building
Coral Gables, Florida
Prof. John A. Stevens Founded 1956

Efforts include the collecting of data on engineering properties of South Florida soils; studies on consolidation phenomena of lime muds (marine); studies on limitations of standard compaction control tests, with recommendations for alternate procedures.

University of Michigan
SPACE PHYSICS RESEARCH LABORATORY
4520 East Engineering Building
Ann Arbor, Michigan
Dr. N. W. Spencer, Director Founded 1946

Conducts a program of research centered upon measurement of properties of upper atmosphere by means of rockets.

Michigan College of Mining and Technology
INSTITUTE OF MINERAL RESEARCH
Houghton, Michigan Founded 1955
M.E. Volin, Director Staff: Professional 6, Other 16

Objectives are to develop new and improved processes that will bring wider utilization of the mineral resources of the state; to support basic research related to studies of minerals; and to provide industry with research services on a sponsored basis for work on mineral problems and the development of mineral products. Attention is particularly directed to the iron and copper resources of Michigan's Upper Peninsula and to the nonmetallic resources throughout the state. Facilities include laboratories for ore dressing, geophysical studies and a pilot mill which can be assembled into a number of flow sheets. Publication: Quarterly Progress Report.

University of Minnesota
MINES EXPERIMENT STATION
Minneapolis 14, Minnesota Founded 1911
Dr. Henry H. Wade, Director Staff: Professional 11, Other 14

Conducts research related to mining and metallurgy, with particular reference to the resources of the state. Principal area of research interest has been directed toward the encouragement of utilization of low grade iron ores. Considerable attention has been devoted to utilization of Mesabi magnetic taconites and recent study has centered on the non-magnetic taconites and on Cuyuna manganiferous materials.

University of Minnesota
ROSEMOUNT AERONAUTICAL LABORATORIES
Institute of Technology
Rosemount, Minnesota Founded 1946
Prof. John D. Akerman, Director Staff: Professional 35, Other 28

Conducts aerodynamic research including general aerodynamic investigations in subsonic, transonic, supersonic and hypersonic fields, electronic flight instrument development, problems of heat transfer and fuel energy management for space vehicles. Sponsors biennial scientific conference on research efforts. Publication: Facilities Report, irregular.

University of Minnesota
ST. ANTHONY FALLS HYDRAULIC LABORATORY
Mississippi River at 3rd Avenue S.E.
Minneapolis 14, Minnesota Founded 1938
Dr. Lorenz G. Straub Staff: Prof. 30, Other 20

Studies a wide variety of fluid mechanics and hydraulics problems, including such areas as research in flow of air-water mixtures, sediment transportation by flowing water, permeability of gradient materials, surface wave research, towing tests on ship models, hydrofoils, cavitation research, water tunnel research, hydraulic structures experimental design

such as spillways for dams, ship locks and river control structures. Sponsors a weekly Hydromechanics Colloquium. Publications: Circular Series, irregular, Technical Paper Series, irregular, Bulletin Series, irregular, Project Report Series, irregular, Motion Picture Series, irregular.

Missouri School of Mines and Metallurgy
MISSOURI STATE MINING EXPERIMENT STATION
Rolla, Missouri
Dr. Curtis L. Wilson, Director

Conducts research in the fields of mining, metallurgy, geology and ceramics. Objectives are to conduct experimental work which will advance understanding and development of the state's mineral resources. Publications: Missouri School of Mines Bulletin, irregular, Technical Series, irregular.

Montana School of Mines
MONTANA BUREAU OF MINES AND GEOLOGY
Room 203 - Main Hall
Butte, Montana — Founded 1919
Dr. E. G. Koch, Director — Staff: Professional 8, Other 5

Conducts research studies in the field of applied science designed to promote the development of Montana's mineral resources. Gathers and disseminates information on the topography and geology of the state, and on the discovery, production, processing and uses of Montana mineral resources. Enters into cooperative research agreements with federal, state and municipal agencies, civic bodies and private companies. Sponsors Annual Ground-Water Conference. Publications: Memoirs, Bulletins and Special Publications, irregular.

University of Nevada
NEVADA BUREAU OF MINES
Reno, Nevada — Founded 1929
Dr. Vernon E. Scheid, Director — Staff: Professional 5, Other 4

Serves as a central informational clearinghouse on all issues related to mining activities and interests in the state. Conducts studies and issues reports on geology and mineral resources. Directs topographic activities, carries on geophysical surveys for the development of ground water resources and maps areas of the state. Publication: Nevada Bureau of Mines Bulletin, irregular.

New Mexico State University
PHYSICAL SCIENCE LABORATORY
P. O. Box 548
University Park, New Mexico — Founded 1946
Dr. Geo. W. Gardiner, Director — Staff: Prof. 176, Other 57

Recent research efforts have dealt with telemetry of guided missiles, installation and test of rocket components, research in upper atmosphere ionosphere, development of high altitude targets for guided missiles, cameras for high altitude photography, and impact prediction from wind analysis for stabilized missiles. Research is also carried on in fields of electronic countermeasures analysis, combustion, gaseous electronics, utilization of solar energy, antenna research, design and development. Extensive activity in ballistic and telemetric data reduction is also conducted.

University of New Mexico
INSTITUTE OF METEORITICS
1909 Lomas Boulevard NE
Albuquerque, New Mexico — Founded 1944
Dr. Lincoln LaPaz, Director — Staff: Professional 1, Other 1

"The first institute in the world exclusively devoted to meteoretical research." Conducts studies of the structure and composition of the cosmic masses that give rise to meteors. Seeks to determine the place, mode and time of origin, characteristics of their orbits and the effects of their infall onto the earth. Actively promotes the recovery and recognition of meteorites. Publication: Meteoritics, irregular.

State University of New York
DEPARTMENT OF RESEARCH
College of Ceramics
Alfred, New York — Founded 1936
Dr. W.G. Lawrence, Director — Staff: Professional 14, Other 5

Conducts fundamental and applied research in the fields of structural clay products, electronic ceramics, refractories, surface chemistry, solid state physics, glass, cermets, metal-ceramic composites, fuel cells, and phase rule. Sponsors annual three week symposium on a particular subject related to ceramics. Publication: Monthly Progress Report.

University of North Carolina
INSTITUTE OF FIELD PHYSICS
Chapel Hill, North Carolina — Founded 1956
Dr. Bryce S. DeWitt, Director — Staff: Professional 4

Aims to determine the position of gravitation in physics and its relation to other natural phenomena through the conduct of research and to serve as an international center for activity in the field. Publication: Institute of Field Physics Monographs, irregular.

University of Notre Dame
RADIATION PROJECT
Notre Dame, Indiana — Founded 1947
Dr. Milton Burton, Director — Staff: Professional 24, Other 12

Conducts fundamental studies of problems dealing with effects of radiation on matter and associated fields such as radiation chemistry, photochemistry, kinetics of electric discharge processes, and theoretical studies relating to radiation. Conducts occasional symposia related to research activities.

Ohio State University
INSTITUTE OF GEODESY, PHOTOGRAMMETRY AND CARTOGRAPHY
University Research Center
1314 Kinnear Road
Columbus 12, Ohio — Founded 1950
Dr. Weikko A. Heiskanen, Director — Staff: Professional 9, Other 4

Conducts research on geodesy, gravimetry, photogrammetry, astronomy. Most important recent efforts have been the continuous gravity projects of the Cambridge Research Center of the AF, "World Geodetic System." Sponsors symposia related to research functions. Publications: Publications of the Institute of Geodesy, Photogrammetry and Cartography, irregular.

University of Oklahoma
BUREAU OF WATER RESOURCE RESEARCH
Norman, Oklahoma — Founded 1957
Dr. George W. Reiss, Director — Staff: Professional 2

Conducts and sponsors basic research on Oklahoma's water resources in particular and on national and southwest waterway problems in general.

University of Oklahoma
OKLAHOMA GEOLOGICAL SURVEY
Norman, Oklahoma — Founded 1908
Carl C. Branson, Director — Staff: Professional 9, Other 4

Conducts basic studies in geology, industrial minerals, and ground water. Publications: Oklahoma Geology Notes, irregular, Bulletin, irregular, Circulars, irregular, Mineral Report, irregular, Guide Book, irregular.

Pennsylvania State University
COAL RESEARCH SECTION
University Park, Pennsylvania
Dr. William Spackman, Director Founded 1957

Research is related to improvement of coal technology. Recent efforts were centered on coal blending, grindability, mineralogy, ash chemistry, decrepitation, combustion tests, hydrogenation, sulfur removal, irradiation, petrographic composition and genesis, carbon production, mass spectroscopy, flame propagation, and fuel cells.

Pennsylvania State University
GROTH INSTITUTE
University Park, Pennsylvania Founded 1958
Prof. Ray Pepinsky, Director Staff: Prof. 20, Other 10

Engaged in assembly of all information on chemistry and physics of solids, and preparation of 100 volume encyclopedia of chemical and physical crystallography. Conducts research and application for high-speed computing-machine methods for scientific information retrieval. Supported by US Air Force. Publication: Groth Institute Reports, bimonthly.

Pennsylvania State University
IONOSPHERE RESEARCH LABORATORY
University Park, Pennsylvania
Dr. A.H. Waynick, Director Founded 1948

Conducts research efforts related to the physics and chemistry of the upper atmosphere. Publication: Scientific reports, irregular.

Pennsylvania State University
MINERAL INDUSTRIES EXPERIMENT STATION
University Park, Pennsylvania Founded 1931
Dr. M.E. Bell, Director Staff: Professional 6, Other 15

Carries on a sponsored and unsponsored program of research in geography, geology, geophysics and geochemistry, meteorology, mineralogy, mineral economics, mineral preparation, mining, petroleum and natural gas, ceramic technology, fuel technology and metallurgy. Publications: Circular, irregular, Bulletin, irregular.

Pennsylvania State University
ORDNANCE RESEARCH LABORATORY
University Park, Pennsylvania Founded 1945
Dr. John C. Johnson, Director Staff: Prof. 75, Other 166

Conducts research and development work in mechanics, hydrodynamics, electronics, accoustics, and underwater missile systems. Operations are directed toward the creation and improvement of underwater equipment for the Bureau of Ordnance, U.S. Navy. In addition to applied research and testing, theoretical investigations are also carried on. Sponsors the Underwater Missile Engineering Seminar and the Research and Development Management Seminar.

Pennsylvania State University
PETROLEUM RESEARCH LABORATORY
Chemical Engineering Building
University Park, Pennsylvania Founded 1929
Dr. M.R. Fenske, Director Staff: Professional 23, Other 11

Objectives are to provide the chemical and petroleum industry with new ideas, products and processes research study. Recent efforts have been in lubrication and surface chemistry, in hydraulic fluids, in refining processes, in the oxidation of hydrocarbons, in the preparation of petrochemicals, in separational unit operations such as distillation, extraction and crystallization, and in unit processes.

University of Pittsburgh
RADIATION LABORATORY
Pittsburgh 13, Pennsylvania
Dr. Alexander J. Allen, Director

Polytechnic Institute of Brooklyn
MICROWAVE RESEARCH INSTITUTE
55 Johnson Street
Brooklyn 1, New York Founded 1942
Dr. N. Marcuvitz, Director Staff: Prof. 79, Other 41

Organized into three chief groups: electrophysics group conducts research in electromagnetics, electronics and solid state physics. Theoretical and experimental programs are directed toward understanding microwave and millimeter wave propagation, radiation, and discontinuity effects in a variety of non-conventional wave studies. Networks and waveguides group studies lumped and distributed parameter networks and the application of such studies to the design of devices with optimum terminal performance, particularly in the microwave and millimeter wave length regions. Systems and control group considers properties and design of various portions of a communication of control system. Sponsors Annual International Symposium on a topic of interest to the Institute and its Sponsors.

Polytechnic Institute of Brooklyn
POLYMER RESEARCH INSTITUTE
333 Jay Street
Brooklyn 1, New York Founded 1946
Dr. Herman F. Mark, Director Staff: Professional 5, Other 10

Conducts research in synthesis, characterization and analysis of polymers; reactions of polymers; properties of polymeric materials, such as fibers, plastics, rubbers, coatings and adhesives.

Princeton University
PLASTICS LABORATORY
30 Charlton Street
Princeton, New Jersey Founded 1945
Prof. L.F. Rahm, Director Staff: Professional 4

Conducts research in polymer science and engineering in three phases: basic chemical research, dielectric research, and rheological studies (plastics engineering). Publication: Quarterly Progress Reports.

Princeton University
PROJECT MATTERHORN
Forrestal Research Center
Princeton, New Jersey
Dr. Lyman Spitzer, Jr., Director Staff: Professional 300

Purpose of the research program is to discover a means of using the energy released in the nuclear fusion of deuterium for the production of electric power.

Princeton University
PROJECT SQUID
Forrestal Research Center
Princeton, New Jersey
Dr. John B. Fenn, Director

Research activity centers upon the technical problems connected with jet propulsion.

University of Puerto Rico
INSTITUTE OF TROPICAL METEOROLOGY
Rio Piedras, Puerto Rico — Founded 1943
Dr. D. Clay McDowell, Director — Staff: Professional 2, Other 1

Conducts both theoretical and applied research studies which relate to meteorological problems of the tropical region. Publication: Semi-annual Report.

Purdue University
JET PROPULSION CENTER
Lafayette, Indiana — Founded 1948
Dr. M.J. Zucrow, Director — Staff: Professional 4, Other 8

Conducts research in fields pertaining to jet propulsion engines and their components such as heat transfer, fluid flow, combustion, gaseous rocket motor combustion oscillation studies and the liquid film cooling of internal and external surfaces.

Purdue University
THERMOPHYSICAL PROPERTIES RESEARCH CENTER
Lafayette, Indiana — Founded 1957
Dr. Y.S. Touloukian, Director — Staff: Professional 5, Other 5

Performs experimental and theoretical research on the determination of thermophysical properties of gases, liquids, and solids. Maintains a mechanized bibliographic index of all world literature on thermophysical properties of all materials. Disseminates this information in an annual publication, first volume issued June 1960. Holds an annual meeting for its sponsors and invited guests.

Rutgers - The State University
BUREAU OF MINERAL RESEARCH
University Heights
New Brunswick, New Jersey — Founded 1945
Dr. Helgi Johnson, Director — Staff: Professional 1

Conducts studies related to the development of the mineral resources of New Jersey. Investigates potential deposits of clay, heavy minerals, feldspar, individual sands and limestone. Performs laboratory investigation on mineral identification by differential thermal analysis.

St. Louis University
INSTITUTE OF TECHNOLOGY
3621 Olive Street
St. Louis 8, Missouri — Founded 1944
Victor J. Blum, S.J., Dean — Staff: Professional 23, Other 7

Conducts research in servomechanisms, circuits, industrial vibrations and their isolation and/or reduction, mechanism at source of vibration or at earthquake focus, clay minerals, age of rocks, upper atmospheric analysis, Pennsylvanian and Permian Stratigraphy of the western interior of the United States. Activities are centered in engineering, seismology, geology, and meteorology.

University of Saskatchewan
INSTITUTE OF UPPER ATMOSPHERIC PHYSICS
Saskatoon, Saskatchewan, Canada — Founded 1957
Dr. B.W. Currie, Director — Staff: Professional 2, Other 7

Conducts research on the physics of the upper atmosphere with special reference to the auroral process. Programs involving spectrographic, photographic and radio techniques are carried out.

Southern Methodist University
DALLAS SEISMOLOGICAL OBSERVATORY
Dallas 5, Texas — Founded 1954
Dr. Eugene Herrin, Director — Staff: Professional 1, Other 1

Carries on studies recording and processing basic data in earthquake seismology. Applies the digital computer (Univac Scientific) to seismological problems and conducts basic research in theoretical seismology. Publication: Bulletin of Observatory, quarterly.

Stanford University
MICROWAVE LABORATORY
W.W. Hansen Laboratories of Physics
Stanford, California — Founded 1947
Prof. Marvin Chodorow, Director — Staff: Professional 34, Other 21

Recent research included studies in plasma physics, microwave tubes, linear electron accelerators, solid-state physics and millimeter-wave techniques.

Stanford University
STANFORD ELECTRONICS LABORATORIES
School of Engineering
Stanford, California — Founded 1947
Dr. William R. Rambo, Director — Staff: Prof. 100, Other 200

Programs, basic or applied, include solid-state electronics research, information systems research, microwave solid-state, plasma, and high-power tube research, electron devices research, ionosphere and space research, systems techniques research, nuclear explosions and upper-atmosphere research. Publications are in the form of technical project reports. Sponsors annual Technical Advisory Committee meeting (August) for representatives of agencies which have research contracts with Stanford.

Stevens Institute of Technology
DAVIDSON LABORATORY
711 Hudson Street
Castle Point Station
Hoboken, New Jersey — Founded 1935
Dr. John P. Breslin, Director — Staff: Professional 50, Other 40

Conducts theoretical and experimental research in magneto hydrodynamics, oceanography, and internal combustion engine design.

Stevens Institute of Technology
POWDER METALLURGY LABORATORY
1 Elysian Park
Hoboken, New Jersey — Founded 1938
Dr. Gregory J. Comstock, Director — Staff: Professional 10, Other 3

Conducts applied research and process development in the field of powder metallurgy. Investigations relate to various aspects of processing and properties under controlled conditions.

Texas Technological College
SEISMOLOGICAL OBSERVATORY
Lubbock, Texas — Founded 1948
Deskin H. Shurbet, Jr., Director — Staff: Professional 1

Conducts research in earth structure and propagation of elastic waves. Publication: Seismological Bulletin, annual.

University of Texas
BUREAU OF ECONOMIC GEOLOGY
Box 8022 - University Station
Austin 12, Texas — Founded 1909
Dr. John T. Lonsdale, Director — Staff: Professional 11, Other 15

Conducts comprehensive area surveys, field and laboratory investigations of minerals, regional stratigraphic and structural studies, compiles reference works and maps, tests rocks and minerals and offers information and consulting service to regional agencies. Research results are issued as bulletins, pamphlets, monographs and maps.

University of Texas
TEXAS PETROLEUM RESEARCH COMMITTEE
201 Petroleum Engineering Building
Austin 12, Texas
Dr. George H. Fancher, Director — Founded 1947

Conducts experimental and applied research to provide new data, techniques and processes. Publishes and disseminates research results. Promotes conservation of oil and gas and facilitates cooperative studies with oil and gas companies in the laboratory and in the field. Sponsors periodic public conferences with oil operators, petroleum engineers, geologists and others interested in petroleum affairs.

University of Toledo
INSTITUTE OF SILICATE RESEARCH
2801 West Bancroft Street
Toledo 6, Ohio — Founded 1952
Dr. Wilhelm Eitel, Director — Staff: Professional 1, Other 1

Conducts studies on the physical chemistry of the silicates.

University of Utah
INSTITUTE OF METALS AND EXPLOSIVES RESEARCH
206 Mines Building
Salt Lake City 12, Utah — Founded 1951
Dr. M.A. Cook, Director — Staff: Professional 5, Other 4

Conducts research on explosives including the chemical and physical nature of initiating high explosives, pressure-generated metallic states, chemical and physical nature of detonation generated plasmas, mechanism of detonation, deflagration to detonation transition, impulse loading by high explosives and transient high pressure measurement. Recent metallurgical research in progress included the use of thoria in nuclear power applications, studies of corrosion, mineral dressing and physical metallurgy.

University of Utah
STATEWIDE ARCHEOLOGICAL SURVEY
Department of Anthropology
Salt Lake City 12, Utah — Founded 1949
Dr. Jesse D. Jennings, Head — Staff: Professional 1

Conducts archeological survey and excavation program in the region and issues technical reports based upon research findings. Publication: University of Utah Anthropological Papers, irregular.

University of Utah
UTAH GEOLOGICAL AND MINERALOGICAL SURVEY
200 Mines Building
Salt Lake City 12, Utah — Founded 1931
Dr. Arthur L. Crawford, Director — Staff: Professional 1, Other 1

Collects and distributes data on the state's mineral resources. Conducts surveys of geological formations and investigates mineral substances from an economic standpoint. Prepares and distributes maps and reports and maintains exhibits related to the efforts of the research program. Sponsors annual field conferences and issues guidebooks on the geology of the region. Publications: Bulletin, irregular, Circular, irregular.

George Washington University
ELECTRONICS RESEARCH PROJECT
Washington, D.C.
Dr. Nelson T. Grisamore, Director — Staff: Professional 3

Conducts studies in the general field of nucleonics, the improvement of the operation of photomultiplier tubes and the development of fast operating coincidence measurements.

Washington State University
NUCLEAR REACTOR PROJECT
Pullman, Washington — Founded 1954
Dr. Harold W. Dodgen, Director — Staff: Professional 2

The project's principal facility is a 100 kilowatt research reactor used to support research in all departments of the University.

University of Washington
APPLIED PHYSICS LABORATORY
Seattle, Washington
Joseph E. Henderson, Director

Worcester Polytechnic Institute
ALDEN HYDRAULIC LABORATORY
Worcester 9, Massachusetts — Founded 1894
Prof. Leslie J. Hooper, Director — Staff: Professional 9, Other 8

Conducts sponsored and unsponsored research. The scope of the effort comprises flow meter calibration and head loss tests of valves, model studies of civil engineering projects and classified work for the Bureau of Ordnance. Projects undertaken have pioneered in the design of water wheels, turbines, dam installations and river flow projects.

University of Wyoming
NATURAL RESOURCES RESEARCH INSTITUTE
Laramie, Wyoming — Founded 1943
Dr. Henry G. Fisk, Director — Staff: Professional 8, Other 1

Aids in the development of the natural resources of the state, promotes its industrial growth and wider utilization of the minerals, fuels and other resources through laboratory research. Studies center on the problems of production, processing and applications of state resources. Recent efforts dealt with low temperature coal tar hydrogenation processes, coal grindability, synthetic coke and activated carbons produced from regional subbituminous coals, and clay research. Sponsors biennial meeting of the International Briquetting Association. Publications: Bulletins, irregular, Information Circulars, irregular.

SECTION 15—OBSERVATORIES

University of Arizona
STEWARD OBSERVATORY
Cherry Avenue and 2nd Street
Tucson, Arizona — Founded 1923
Dr. Edwin F. Carpenter, Director — Staff: Professional 4, Other 1

Conducts studies making use of the following research instruments: (1) 36-inch reflecting telescope, (2) 7-inch photographic refracting telescope. Research areas are (a) rapidly pulsating stars (photometry), (b) structure of the galaxy, (c) nebulae, (d) the galaxies, (e) search for supernovae.

Association of Universities for Research in Astronomy
KITT PEAK NATIONAL OBSERVATORY
950 North Cherry Avenue
Tucson, Arizona — Founded 1957
Dr. A.B. Meinel, Director — Staff: Professional 15, Other 30

Program of activities includes development of instrumentation and the conduct of research in stellar, solar, and space astronomy. Sponsors frequent technical seminars of unscheduled occurrences.

California Institute of Technology
MOUNT WILSON AND PALOMAR OBSERVATORIES
813 Santa Barbara Street
Pasadena 4, California — Founded 1904 - 1948
Dr. Ira S. Bowen, Director — Staff: Prof. 44, Other 40

Conducts broadscale research programs in astronomy centering upon solar observations, stellar spectroscopy, gaseous nebulae, globular and galactic clusters and stellar photometry, galaxies and the development of new instrumentation and observational techniques. Sponsored jointly by Carnegie Institution of Washington.

University of California
LEUSCHNER OBSERVATORY
Berkeley 4, California
Dr. Louis G. Henyey — Staff: Professional 8, Other 17

Conducts observational research in astronomy. Publication: Library Reprints, irregular.

University of California
LICK OBSERVATORY
Mt. Hamilton, California — Founded 1880
Dr. A.E. Whitford, Director — Staff: Professional 18, Other 25

Conducts a broadscale program of astronomical research. Publications: Lick Observatory Bulletin, irregular, Lick Observatory Publications (reprint series), irregular.

University of Cincinnati
CINCINNATI OBSERVATORY
Observatory Place
Cincinnati 8, Ohio — Founded 1841
Prof. Paul Herget, Director — Staff: Professional 4

Studies in astronomy focus on the minor planet center of the international astronomical union and the calculation of minor planet orbits.

University of Colorado
HIGH ALTITUDE OBSERVATORY
Boulder, Colorado — Founded 1940
Dr. Walter Orr Roberts, Director — Staff: Professional 27, Other 12

Conducts research in solar physics and on sun-earth effects. Operates an observing station at Climax, Colorado and a laboratory on the campus at Boulder. Established originally by Harvard University. Principal activity consists of analyses of solar phenomena (corona, flares and prominences), and the study of relationships between these solar features and terrestrial phenomena (behavior of long distance radio circuits, terrestial magnetism, occurrences of aurorae, variations of weather phenomena, etc.). Publishes technical reports and scholarly journal articles based on research. Publications: Preliminary Report of Solar Activity, weekly, Solar Activity Summary, quarterly, "Hollow Square" Lecture Series, bi-weekly, Colloquia, weekly.

Columbia University
RUTHERFURD OBSERVATORY
New York 27, New York — Founded 1873
Dr. Jan Schilt — Staff: Professional 6

Conducts a program of observations of stellar distances by photography. Publications: Contributions of the Rutherfurd Observatory, irregular.

Georgetown University
GEORGETOWN COLLEGE OBSERVATORY
Washington 7, D. C. — Founded 1841
Francis J. Heyden, S. J. — Staff: Professional 1, Other 1

Conducts spectroscopic work on atmospheres of planets, sun, moon and astrophysical metals such as titanium, zirconium, ytrium, iron. Carries out geodetic research from observations of solar, eclipses, satellites and rocket flares. Studies are also centered on the accuracy of star positions. Sponsors monthly Astronomical Colloquium. Publications: Georgetown Observatory Monographs, irregular, Georgetown Observatory Reprints, irregular.

Harvard University
ASTRONOMICAL OBSERVATORY
Cambridge, Massachusetts
Dr. Donald H. Menzel — Founded 1843

Conducts research in all departments of astronomy based upon data observed at stations maintained in the United States and abroad. Maintains an astronomical library and an extensive collection of photographic plates.

Harvard University
BOYDEN OBSERVATORY
Box 334
Bloemfontein, O.F.S., Union of South Africa — Founded 1928
Prof. Donald Menzel, Director — Staff: Prof. 3, Other 5

Conducts southern hemisphere stellar and planetary research, carried out in conjunction with various European observatories. The observatory is now administrated by a council consisting of the directors of the Harvard, Hamburg, Stockholm, Belgian, Dunsink and Armagh observatories.

Harvard University
HARVARD COLLEGE OBSERVATORY
60 Garden Street
Cambridge 38, Massachusetts — Founded 1636
Dr. Donald H. Menzel, Director — Staff: Prof. 50, Other 22

Conducts a very wide range program of astronomical observation, measurement and analysis. Publications: Harvard Announcement Cards, irregular, Harvard Observatory Reprint Series, irregular.

Indiana University
GOETHE LINK OBSERVATORY
Bloomington, Indiana — Founded 1937
Dr. Frank K. Edmondson, Director — Staff: Professional 5, Other 4

Conducts studies of the following: astrometric and photometric studies of asteroids, photoelectric photometry, stellar spectroscopy, theoretical astrophysics, astronomical computing with high speed computers and stellar motions and galactic structure. Publication: Publications of the Goethe Link Observatory, irregular.

University of Michigan
McMATH-HULBERT OBSERVATORY
895 Lake Angelus Road North
Pontiac 4, Michigan — Founded 1930
Dr. Robert R. McMath, Director — Staff: Professional 4, Other 10

Provides facilities for making observations of the sun and conducts astronomical research based on such observations. Publications: Publications of the Observatories of the University of Michigan, irregular.

University of Michigan
OBSERVATORY
1308 East Ann Street
Ann Arbor, Michigan — Founded 1854
Dr. Leo Goldberg, Director — Staff: Professional 19, Other 6

Conducts astronomical research with special attention to solar and stellar astrophysics, radio astronomy and astronomical observations from earth satellites. Publication: Publications of the Observatory of the University of Michigan, irregular.

University of Minnesota
OBSERVATORY
Minneapolis 14, Minnesota — Founded 1931
Dr. Willem J. Luyten — Staff: Professional 1

Conducts research on the discovery of white dwarfs, determination of stellar motions, search for faint blue stars in the galactic corona.

University of Missouri
LAWS OBSERVATORY
Columbia, Missouri — Founded 1882
Dr. John D. Schopp — Staff: Professional 1

A program of photoelectric photometry was recently in the process of being developed. Publication: Publications of Laws Observatory, irregular.

Northwestern University
DEARBORN OBSERVATORY
Evanston, Illinois — Founded 1888
Dr. J. Allen Hynek, Director — Staff: Professional 2, Other 1

Conducts studies of double star measures and stellar masses, satellite tracking, and astrophysics (emission-line stars, planetary nebulae, composite spectra). Anticipated research includes infrared studies of planets and stars from balloons and application of TV light detection apparatus to astronomical purposes. Sponsors public lectures once each month. Publication: Annals of the Dearborn Observatory, irregular.

Ohio Wesleyan and Ohio State Universities
PERKINS OBSERVATORY
Delaware, Ohio — Founded 1919
Arne Slettebak, Director — Staff: Professional 5, Other 4

Primary interest is astronomical spectroscopy. The 69-inch reflecting telescope (5th largest in the United States) will be moved to flagstaff, Arizona in the fall of 1960 where it will be used in collaboration with the Lowell Observatory for faculty and graduate student research. It will be equipped with a new all-mirror astronomical spectrograph. A 32-inch reflecting telescope and 16-inch Schmidt telescope will be installed at Perkins Fox Photoelectric and Spectroscopic Researches. The Perkins observatory is owned by Ohio Wesleyan University and maintained and staffed by Ohio State University under a joint agreement. It is the research and graduate training center for astronomy of the Ohio State University. Publications: Perkins Observatory Contributions, irregular.

University of Pennsylvania
FLOWER AND COOK OBSERVATORY
Philadelphia 4, Pennsylvania — Founded 1895
Frank Bradshaw Wood, Director — Staff: Professional 6, Other 2

Conducts research in following fields: eclipsing variable stars (observation and theory), infra-red observations, development of electronic instrumentation, stellar scintillation studies, galactic structure, especially by radio astronomy techniques. Publications: Astronomical Series, irregular, Observatory Reprints, irregular.

Princeton University
OBSERVATORY
14 Prospect Avenue
Princeton, New Jersey — Founded 1876
Lyman Spitzer, Jr., Director — Staff: Professional 10, Other 2

Conducts studies in theoretical astrophysics and high altitude astronomy, including balloon-borne and satellite launched telescopes. Publication: Contributions from the Princeton University Observatory, irregular.

University of Toronto
DAVID DUNLAP OBSERVATORY
Richmond Hill, Ontario, Canada
Dr. John F. Heard, Director — Staff: Professional 6, Other 5

Conducts studies of stellar spectra and velocities, stellar photometry, theoretical astrophysics, radio astronomy. Equipment includes a 74-inch reflecting telescope, a 19-inch telescope, various spectrographs, and radio telescopes and receivers. Publications: Publications of David Dunlap Observatory, irregular.

Vanderbilt University
ARTHUR J. DYER OBSERVATORY
Nashville 5, Tennessee — Founded 1953
Dr. Carl K. Seyfert, Director — Staff: Professional 3, Other 1

Conducts astronomical observations of stars to study the structure of the Milky Way, observations of short period variable stars, astronomical application of television techniques in the study of planets and stars. The chief telescope of the observatory is a 24 inch reflector of special design (Baker Reflector Corrector) with 24 inch objective prism, photoelectric photometer, and television camera attachments. Publications: Reprints, irregular.

Vassar College
OBSERVATORY
Poughkeepsie, New York — Founded 1861
Dr. Henry Albers — Staff: Professional 1

Research centers on milky way studies. Publications: Publications of the Vassar College Observatory, irregular.

University of Virginia
LEANDER McCORMICK OBSERVATORY
P.O. Box 3445 - University Station
Charlottesville, Virginia — Founded 1883
Dr. Harold L. Alden, Director — Staff: Professional 3, Other 1

Conducts research on stellar parallaxes and proper motions, spectral classification on objective prism plates and photometric and statistical investigations. Publications: Publications of the Leander McCormick Observatory, irregular.

Wesleyan University
VAN VLECK OBSERVATORY
Middletown, Connecticut — Founded 1915
Dr. Thornton Page, Director — Staff: Professional 3, Other 1

Conducts research in the determination of parallaxes, proper motions, and double star orbits; on astrometric reduction, on application of high speed computers, and in astrophysics. Publications: Publications of the Van Vleck Observatory, irregular.

SECTION 16—UNIVERSITY-WIDE PROGRAMS

Acadia University
ACADIA UNIVERSITY INSTITUTE
Box 160
Wolfville, N.S., Canada
J.E. Hiltz, M.D., Chairman — Founded 1955

The Institute can undertake research in any field but to date has been engaged mainly in economic surveys and a few other studies in the social sciences. The studies are alloted to problems of the area.

Alabama Polytechnic Institute
AUBURN RESEARCH FOUNDATION
Textile Building
Auburn, Alabama — Founded 1944
W.C. Jonson, Jr., Director — Staff: Professional 2, Other 2

Projects serve industrial concerns, governmental agencies, boards and foundations. Fields of research activity include civil engineering, mechanical engineering, electrical engineering, textile engineering, education, home economics, physics, economics, mathematics, veterinary medicine, sociology and psychology.

Alfred University
RESEARCH FOUNDATION
Alfred, New York
M. Ellis Drake, Chairman

Serves as a central facility in order to expedite research on the campus, which centers primarily on ceramics and ceramic engineering studies.

Arizona State University
RESEARCH CENTER
Tempe, Arizona
Dr. Lee P. Thompson, Acting Director

University of Arizona
APPLIED RESEARCH LABORATORY
Tucson 25, Arizona
Howard A. Baldwin, Director — Staff: Professional 21, Other 11

Specific fields of interest include circuit research and development, numerical analysis, nuclear engineering, analog computers, operations research and systems analysis, scatter propagation, antenna theory and design, human factors, surveillance, chemical engineering, aero-space engineering, physical metallurgy, and bionics.

Augustana College
AUGUSTANA RESEARCH FOUNDATION
35th Street and 7th Avenue
Rock Island, Illinois — Founded 1947
Dr. Robert A. Berntsen, Director — Staff: Professional 3

Conducts a research service to science and industry in basic and applied areas in the chemical, physical, biological and geological fields. Recent investigations have included: preparation of antiozonants as well as a study of the reaction of ozone with polybutadiene rubbers and the inhibition of this action; preparation of adhesives; a study of the efficiencies of an air filter, methods of preparing a better filter and investigations designed to develop procedures for the separation and recovery of organic acids from crude culture liquors derived from cereal grains.

University of California
LAWRENCE RADIATION LABORATORY
Berkeley 4, California — Founded 1936
Dr. Edwin M. McMillan, Director — Staff: Prof. 1333, Other 4191

Conducts basic scientific research in the development and engineering of research tools such as cyclotrons and synchocyclotrons, in the use of nuclear machines in physical and chemical research, in the use of radioisotopes in biological, medical and agricultural research and in the diagnosis and treatment of disease, in physics and radiation, and in classified developmental research in nuclear weapons which is conducted at the laboratory maintained in Livermore, California. Sponsors numerous regular meetings and national and international conferences.

University of Chattanooga
INDUSTRIAL RESEARCH INSTITUTE
Chattanooga 3, Tennessee — Founded 1945
Dr. J. Horace Coulliette, Director — Staff: Professional 5, Other 1

Conducts research and development investigations in the fields of chemistry, textiles, mechanical, electrical and chemical engineering and analytical and testing services, which are sponsored by industry and government agencies.

University of Chicago
LABORATORIES FOR APPLIED SCIENCES
Museum of Science & Industry
Chicago 37, Illinois — Founded 1958
Dr. Frank E. Bothwell, Director — Staff: Prof. 140, Other 100

The scientific areas of research concern include operations analysis, systems analysis, systems development, solid-state physics, electron physics, radiation physics, and high-temperature physics. Problems are investigated by mathematicians, physicists, chemists, statisticians, aeronautical engineers, electronics engineers and mechanical engineers. The program seeks to focus the scientific talents of the university upon the most challenging technical problems facing the nation.

University of Cincinnati
RESEARCH FOUNDATION
Campus Station
Cincinnati 21, Ohio — Founded 1946
Dr. Fred O'Flaherty, Administrator — Staff: Professional 25, Other 4

Sponsors and facilitates research in all branches of the sciences, arts, humanities and engineering disciplines.

Clarkson College of Technology
DIVISION OF RESEARCH
Potsdam, New York — Founded 1952
Dr. H.L. Shulman, Director — Staff: Professional 3, Other 1

Encourages and sponsors research and development work for industry and government in the following fields: chemistry, physics, mathematics, chemical engineering, civil engineering, electrical engineering, mechanical engineering and social studies.

Colorado State University
RESEARCH FOUNDATION
Fort Collins, Colorado — Founded 1941
Dr. Maurice L. Albertson, Director — Staff: Professional 2, Other 10

Sponsors research in the fields of agriculture, biological sciences, physical sciences, social sciences and the humanities. Encourages interdisciplinary research projects and aids research personnel in preparing proposals and in locating financial support for activities. Conducts summer institutes, conferences and seminars. Publication: Surf Writer, bimonthly.

University of Colorado
ASSOCIATED ROCKY MOUNTAIN UNIVERSITIES
Fleming Law Building
Boulder, Colorado — Founded 1959
R.V. Bartz, Executive Director — Staff: Professional 1, Other 1

Purposes include the following: to establish, maintain, and operate research programs and facilities in the Rocky Mountain region for the improvement of education and scientific research; to constitute an agency through which educational institutions and other research organizations will be able to cooperate with one another, with the government, and with other organizations for better use of research facilities now in the region, for research and training programs in all branches of science; and to contribute to the advancement of scientific knowledge and to the quality of higher education. Sponsored cooperatively by fifteen universities and colleges in the Rocky Mountain area.

University of Colorado
RESEARCH SERVICE LABORATORIES
Boulder, Colorado
Lowell H. LeMoine, Manager

University of Denver
BUREAU OF PHYSICAL AND BIOLOGICAL SCIENCE RESEARCH
Denver, Colorado

Promotes and administers fundamental research in non-industrial phases of the physical and biological sciences.

University of Denver
DENVER RESEARCH INSTITUTE
Denver 10, Colorado — Founded 1947
Shirley A. Johnson, Jr., Director — Staff: Prof. 160, Other 60

Conducts research sponsored by industry, government and under university auspices in the fields of chemistry and chemical engineering, electronics, industrial economics, applied mechanics, metallurgy, and physics. In addition to special symposia, the Institute sponsors the following regular meetings: Biennial Conference on Research Administration, Annual Symposium on Computers and Data Processing, Annual Conference on Applications of X-Ray Analysis, and Annual Conference on Uses of Digital Computers.

University of Detroit
RESEARCH INSTITUTE OF SCIENCE AND ENGINEERING
4001 West McNichols Road
Detroit 21, Michigan
Dr. Charles G. Duncombe, Director — Staff: Professional 1, Other 2

Conducts studies in all fields of engineering, physics, chemistry, and mathematics with emphasis on aeronautical, mechanical, metallurgical and chemical engineering. Also carries on a program in biochemistry and biology.

Drexel Institute of Technology
OFFICE OF RESEARCH
32nd and Chestnut Streets
Philadelphia 4, Pennsylvania — Founded 1958
James H. Robins, Director — Staff: Professional 2, Other 1

Conducts promotional, administrative, and catalytic activities to help build the volume of Drexel-sponsored research, consulting work and special instruction throughout the faculty of all the colleges.

Duke University
RESEARCH TRIANGLE INSTITUTE
Post Office Box 490
Durham, North Carolina — Founded 1958
George R. Herbert, President — Staff: Professional 33, Other 7

Provides scientific contract research services for industry, the three sponsoring universities (Duke University, University of North Carolina, North Carolina State College), and state, local and federal government in the fields of physical sciences, economics, statistics, mathematics, engineering, and biological sciences. Early efforts have centered on engineering, isotope development, statistics, and operational sciences.

Georgia Institute of Technology
RESEARCH INSTITUTE
Atlanta, Georgia
James E. Boyd, Director

University of Hartford
DIVISION OF RESEARCH
Hartford 1, Connecticut — Founded 1958
Richard G. Clarke, Director — Staff: Professional 1, Other 1

Concerned primarily with research for industry, although several pure research projects are in the proposal stage. Fields of competence include fluid flow, heat transfer, acoustics, control and mechanical design, environmental study and analysis of experimental data.

University of Houston
RESEARCH INSTITUTE
3801 Cullen Boulevard
Houston 4, Texas — Founded 1958
Joseph R. Crump, Director — Staff: Professional 1, Other 1

Assists and coordinates the programs which are carried out within the structure of individual departments. Extensive efforts are underway in biology, chemistry, geology, physics, psychology, chemical and petroleum engineering, and business administration. In addition, the computing center (IBM-650) conducts a number of projects on its own behalf and also supplies computing services to the academic departments.

Illinois Institute of Technology
ARMOUR RESEARCH FOUNDATION
10 West 35th Street
Chicago 16, Illinois — Founded 1936
Dr. H.A. Leedy, Director — Staff: Prof. 778, Other 428

Performs contract research projects for industry and the government. Areas of research include physics, metals, chemistry and chemical engineering, propulsions and fluids, electrical engineering, ceramics, international, mechanical engineering and engineering economics. Sponsors an extensive number of public technical meetings such as the National Noise Abatement Symposium, Industrial Nuclear Technology Conference, Computer Technology Conference, National Hydraulics Conference. Publications: Annual Report; Frontier, quarterly; Industrial Research Newsletter, monthly.

Iowa State University
INDUSTRIAL SCIENCE RESEARCH INSTITUTE
Beardshear Hall
Ames, Iowa
Dr. Richard S. Bear, Director

Sponsors a comprehensive program of research in the sciences. The primary purpose is to aid in the solution of agricultural and industrial prob-

lems of Iowa through the application of these problems of the principles, the techniques, and the improved processes developed in the departments of bacteriology, botany and plant pathology, chemistry, economics and sociology, geology, history, government and philosophy, industrial administration, mathematics, physics, psychology, statistics, zoology and entomology. The research work is coordinated with that of the Agricultural Experiment Station, the Engineering Experiment Station, the Veterinary Medical Research Institute, and the Institute for Atomic Research.

Lamar State College of Technology
LAMAR RESEARCH CENTER
Box 430
Beaumont, Texas — Founded 1953
Dr. Robert V. Andrews, Director — Staff: Professional 1, Other 1

Performs contract research in a wide range of problems including basic research in pure and applied science, analyses of resource potential, financing opportunities and methods, plant location and layout, product design and analysis, market surveys, systems, procedures and process analyses, personnel studies, ecological studies and demographic investigations.

Lehigh University
INSTITUTE OF RESEARCH
Bethlehem, Pennsylvania — Founded 1924
Dr. H.A. Neville, Director — Staff: Professional 18, Other 31

Encourages, promotes and sponsors research and scholarly undertakings by thirteen academic departments representing most of the physical, natural, social, and engineering sciences as well as some work in the humanities.

Long Island University
INSTITUTE OF RESEARCH
Zeckendorf Campus
Brooklyn 1, New York
Dr. Jacob Hartstein, Dean

Seeks to advance the frontiers of knowledge and the techniques of research and to render services to business, the community and the government. Functions in cooperation with the various departments of instruction.

Louisiana State University
DIVISION OF ORGANIZED RESEARCH
College of Chemistry and Physics
Baton Rouge 3, Louisiana

Makes available consulting services to southern industry in the performance of chemical and physical research studies. Studies center on spectroscopy, electron microscopy, food preservation, nuclear reactions, astronomical efforts, etc.

University of Louisville
INSTITUTE OF INDUSTRIAL RESEARCH
3rd Street and Eastern Parkway
Louisville 8, Kentucky — Founded 1946
Dr. M.H. Chetrick, Director — Staff: Professional 2, Other 3

Provides physical plant, equipment and personnel for conducting contract research on behalf of industrial concerns and government agencies. Efforts are carried on in the following fields: chemistry, chemical engineering, civil engineering, computing, electrical engineering, electrochemistry, electronics, engineering economics, fuels and combustion, industrial physics, mechanical engineering, metallurgy, nuclear research, petroleum technology and protective coatings. Research into technical and economic aspects of marketing and distribution are also conducted.

Lowell Technological Institute
RESEARCH FOUNDATION
1 Textile Avenue
Lowell, Massachusettes — Founded 1951
Dorrance H. Goodwin, Exec. Director — Staff: Professional 20, Other 8

Conducts research, development and testing for government and industry in the fields of space investigation through satellite tracking and in the fields of electronics, leather, textiles, plastics and paper.

University of Maine
DEPARTMENT OF INDUSTRIAL COOPERATION
Orono, Maine
Weston S. Evans, Director — Founded 1948

A university-wide organization to handle research problems for Maine industry in any field in which there are knowledgeable faculty researchers.

Mankato State College
RESEARCH BUREAU
Mankato, Minnesota
Mrs. G.S. Morris

University of Miami
DIVISION OF RESEARCH AND INDUSTRY
Coral Gables 46, Florida — Founded 1951
Walter O. Walker, Dean — Staff: Prof. 137, Other 106

Engaged in over-all coordination of research programs.

University of Michigan
INSTITUTE OF SCIENCE AND TECHNOLOGY
2038 East Engineering Building
Ann Arbor, Michigan — Founded 1958
Dr. Robert R. White, Director — Staff: Professional 2, Other 2

Serves as a center of science and technology and provides administrative arrangements and support over and above that available through existing teaching and research programs whereby outstanding scientists and engineers can be brought to the University and provided an environment suitable for conducting research at the most advanced levels. Aids the separate departments, schools, colleges and other University agencies in conducting research in all fields of pure and applied science, engineering and technology; conducts research in all fields of pure and applied science, engineering and technology which are potentially important to the future business and industrial development of the State.

University of Michigan
MICHIGAN MEMORIAL-PHOENIX PROJECT
Ann Arbor, Michigan
Dr. Henry J. Gomberg, Director — Founded 1948

Sponsors research in all phases of peaceful uses of atomic energy. Studies have been undertaken in physics, biology, medicine, archeology, engineering, sociology and law. Maintains some of the finest equipments in the country for the conduct of academic research in the nuclear field.

University of Michigan
WILLOW RUN LABORATORIES
P. O. Box 2008
Ann Arbor, Michigan — Founded 1946
Dr. J.A. Boyd, Director — Staff: Prof. 231, Other 340

Conducts research and development projects in acoustics, seismics, analog

computer techniques, computation, countermeasures, engineering psychology, infrared, operations research, radar, and solid-state physics. A major continuing project for the Army in combat surveillance and target acquisition (Project Michigan) has been in effect since 1953. Sponsors Annual Radar Symposium, Symposium on the Prediction of Performance of Large-Scale Systems, and Infrared Information Symposium.

New Mexico Highlands University
INSTITUTE OF SCIENTIFIC RESEARCH
National Avenue
Las Vegas, New Mexico — Founded 1956
Dr. E. Gerald Meyer, Director — Staff: Professional 8, Other 1

Conducts research in all the scientific fields. Recent projects included the following: heterogeneous isotopic exchange, synthesis of psychopharmacological compounds, thermodynamic properties of biochemical substances, natural product hypoglycemic substances, physical chemical properties of metal alkoxides, nuclear effects on flora, instrumental methods of analysis, synthesis of phosphorus heterocycles, conformational changes in biochemical substances, studies of chemisorption, electron emission (Kramer effect), thermochemistry of heat storage materials, effects of hypotensive agents on cholinesterase systems. Sponsors seminars and symposia related to research.

New Mexico State University
RESEARCH CENTER
P. O. Box 756
University Park, New Mexico — Founded 1959
Dr. George W. Gardiner, Director — Staff: Professional 4, Other 2

Recently established program to encourage and sponsor basic research in the fields of physics, mathematics and electrical engineering.

University of New Mexico
OFFICE OF DIRECTOR OF RESEARCH
Albuquerque, New Mexico — Founded 1957
Harold L. Walker, Director — Staff: Professional 11, Other 6

Conducts basic research sponsored by federal government, foundations, state government and to lesser extent industry, principally in physical sciences and engineering but also including social sciences, life sciences and humanities.

Ohio State University
RESEARCH FOUNDATION
1314 Kinnear Road
Columbus 8, Ohio — Founded 1936
Oram C. Woolpert, M.D., Exec. Director — Staff: Prof. 312, Other 181

Administers and coordinates the university's program of research sponsored by various outside agencies through contracts and grants in the various sciences, social sciences, humanities and other specialties represented by the diverse interests of the faculty. Publication: Science and Appliance, monthly (except July and August).

Oklahoma State University
RESEARCH FOUNDATION
217 Whitehurst Hall
Stillwater, Oklahoma — Founded 1945
Dr. Marvin T. Edmison, Director — Staff: Professional 10, Other 20

Sponsors and supports all research activities in the sciences, social sciences and humanities other than agriculture and engineering, including operation of an electronics laboratory with a sizeable program of upper atmosphere and space instrumentation.

University of Oklahoma
RESEARCH INSTITUTE
Norman, Oklahoma — Founded 1942
Verne C. Kennedy, Jr., Exec. Dir. — Staff: Professional 80, Other 120

Seeks to provide research opportunities for faculty by administering and coordinating sponsored research activities. Projects sponsored by the Federal Government make up the largest portion of institute projects. The major portion of this work has been basic in nature and has aided in advancing scientific knowledge. The remainder is directly related to the national defense effort. Sponsors annual meeting and technical seminars at various times during the year. Publication: OURI, bimonthly.

University of Pennsylvania
INSTITUTE FOR COOPERATIVE RESEARCH
3rd Floor, Logan Hall
Philadelphia 4, Pennsylvania — Founded 1954
Dr. Carl C. Chambers, Director — Staff: Professional 21, Other 16

The range of research project areas includes the biological and chemical sciences, operations research, design, development and programming of large-scale electronic computers (both digital and analog), simulation techniques and many other fields of current research interest. The basic concept of almost every study is its interdisciplinary approach. Publications: Annual Report, ICR Report, bimonthly.

Purdue University
PURDUE RESEARCH FOUNDATION
Lafayette, Indiana — Founded 1928
Dr. Frederick L. Hovde, President — Staff: Professional 6, Other 9

Functions as central faculty for coordinating research efforts, solicitation of research funds from companies, foundations and government agencies, and negotiating sponsored contracts. Efforts are carried on in all the fields of the university's interests. Publication: Horizon, monthly.

Rensselaer Polytechnic Institute
RESEARCH DIVISION
Troy, New York — Founded 1949
Dr. George K. Lee, Director — Staff: Professional 45

Facilitates the development of a broadscale program of research in the fields of engineering, the basic sciences, nuclear sciences and mathematics. Sponsors regular monthly colloquia and seminars in sciences and engineering. Publications: Research at Rensselaer, quarterly, Rensselaer Research, annual.

University of Santa Clara
SANTA CLARA RESEARCH COUNCIL
Santa Clara, California
Dr. R.J. Parden, Dean — Founded 1940

Coordinates faculty research projects in the Colleges of Art and Science, Business Administration, and Engineering. Recent projects and institutes centered in the areas of physics, chemistry, mathematics, social sciences, and business administration.

University of South Carolina
INSTITUTE OF SCIENCE AND TECHNOLOGY
Columbia, South Carolina — Founded 1958
Dr. Rufus G. Fellers, Director — Staff: Professional 10

Research efforts are conducted by the faculties in the fields of biology, chemistry, physics, geology, mathematics, chemical and electrical engineering. Investigations are supported by government agencies, industrial firms and foundations. Sponsors conferences and workshop programs.

Southern Methodist University
GRADUATE RESEARCH CENTER
6000 Lemmon Avenue
Dallas 9, Texas
J.E. Jonsson — Founded 1957

A recently established research center which is still in the process of defining its program. Efforts will be primarily in the fields of science and engineering and will seek to advance the industrial and economic potential of the region through research and development activities. Sponsored jointly with the Dallas Chamber of Commerce.

Stanford University
STANFORD RESEARCH INSTITUTE
Ravenswood Avenue
Menlo Park, California — Founded 1946
E. Finley Carter, President — Staff: Prof. 1000, Other 800

Performs contract research for government and industry in the physical and life sciences, economics, and engineering. Engineering research concerns electronics and mechanics, including electromagnetic wave propagation, video systems, electronic devices, data processing and computer technology. Research in physical science treats organic, inorganic and analytical chemistry, chemical physics, physics, metallurgy, earth sciences and biological sciences. Economic research covers resource development, industrial marketing and long range planning, operations research, national defense problems and international economic development. Offices of the Institute are maintained in South Pasadena; Washington, D.C., New York City; Portland, Oregon; Phoenix, Arizona; Honolulu, Hawaii; and Zurich, Switzerland. Publication: Research for Industry, bimonthly.

Stephens College
RESEARCH SERVICE
Columbia Missouri
Dr. Lewis B. Mayhew, Director — Founded 1928

Sponsors and directs the college research program, stimulates and aids faculty research efforts and coordinates projects between departments. Sponsors several conferences each year.

Syracuse University
RESEARCH INSTITUTE
D-6 Collendale Campus
Syracuse 10, New York
W.C. Wheadon, Director — Founded 1946

Coordinates and administers sponsored research in architecture, business, engineering, fine arts, home economics, nursing, physical and social sciences. Within the range of activities is the Business Research Center and the Utica Research Center which concentrates on studies in the upper Mohawk Valley region. Sponsors numerous research related programs. Publication: Annual Report and Highlights of Research.

Utica College of Syracuse University
RESEARCH CENTER
520 Plant Street
Utica, New York — Founded 1957
Virgil C. Crisafulli, Director — Staff: Professional 1, Other 1

Function is to promote sponsored research among the faculty. Serves as a clearing house and administrative headquarters for sponsored research.

Temple University
RESEARCH INSTITUTE
4150 Henry Avenue
Philadelphia 44, Pennsylvania — Founded 1946
Dr. A.V. Grosse, President — Staff: Professional 31, Other 7

Recent research activity has centered upon both applied and fundamental investigations in the basic sciences of chemistry, physics, metallurgy and biology. Sponsored and non-sponsored research is conducted. Contracts are entered into with associations, individual firms and government bodies.

Agricultural and Mechanical College of Texas
TEXAS A. AND M. RESEARCH FOUNDATION
Room 309 - System Administration Building
College Station, Texas — Founded 1944
Dr. Archie M. Kahan, Director — Staff: Professional 29, Other 85

Established to create research opportunities for university personnel and to provide basic and applied research in order to better utilize regional resources. Projects are sponsored in forestry, veterinary science and in all of the scientific and engineering fields.

Texas Technological College
INSTITUTE OF SCIENCE AND ENGINEERING
Lubbock, Texas
John R. Bradford — Founded 1958

Basic research in engineering and the physical sciences is performed through funds granted by the state, industry and foundations. Contract research is carried on for industry and state and federal government agencies.

Texas Western College
SCHELLENGER RESEARCH LABORATORY
El Paso, Texas — Founded 1955
Thomas G. Barnes, Director — Staff: Professional 7, Other 3

Conducts acoustical research, meteorological studies of the upper atmosphere, development of telemetry systems, biophysics investigations, and electronic research into medical fields. Studies are sponsored by government agencies, industrial organizations and foundations.

University of Toledo
RESEARCH FOUNDATION
2801 West Bancroft Street
Toledo 6, Ohio — Founded 1946
Dr. Archie N. Solberg, Exec. Director — Staff: Professional 3, Other 2

Conducts sponsored research under contracts with or grants from industrial firms, government agencies, trade associations, and individuals in all areas of research competence within the University. Specializes particularly in the areas of educational research, fundamental and applied research in the basic sciences of chemistry, biology and physics, in the applied science fields of engineering, pharmacy, in the arts and humanities, as well as in all areas of business administration. Publication: The Investigator, irregular.

Utah State University
UTAH SCIENTIFIC RESEARCH FOUNDATION
Logan, Utah
J.A. Hardman, Project Director — Founded 1944

Designed to serve as an all-university coordinating and facilitating body for the conduct of scientific and technological research in basic and applied problems.

University of Vermont
DIVISION OF RESEARCH IN THE PHYSICAL SCIENCES
Room 136 - Waterman Building
Burlington, Vermont
Dr. Howard M. Smith, Jr., Exec. Sec. Founded 1958

Conducts a program of sponsored research in civil, electrical, and mechanical engineering, physics, chemistry, mathematics and geology.

Villanova University
DEPARTMENT OF RESEARCH AND DEVELOPMENT
Villanova, Pennsylvania Founded 1949

Coordinates and promotes applied and theoretical studies, primarily in the fields of technology.

Washington State University
DIVISION OF INDUSTRIAL RESEARCH
152 Technology Building
Pullman, Washington Founded 1946
Dr.E.W. Greenfield, Director Staff: Professional 50, Other 43

Conducts studies and research leading toward commercial use of the material resources of the northwest and a broad, well balanced industrial development in the state. Recent research efforts have focused on air pollution, applied mechanics, chemistry, chemical engineering, design, engineering, highway study, hydraulics, metallurgy, mining, sanitary engineering, wood technology, combustion and spectroscopy. Sponsors Waste Conference, Road Builders Clinic, Digital Computers Conference, Hydraulics Conference, Surveying Conference, Structural Engineers Conference, Industrial Development Conference, Wood Products Clinic.

SECTION 17—ORGANIZATIONS NOT ELSEWHERE CLASSIFIED

Air University
RESEARCH STUDIES INSTITUTE
Maxwell Air Force Base, Alabama — Founded 1951
Brig. Gen. Lawson S.Moseley,Jr. Dir. — Staff: Prof. 67, Other 33

Responsible for developing concepts concerning elements of military influence and aerospace power for projecting long-range U.S. Air Force objectives and requirements, for developing basic Air Force doctrine and for conducting research in military science and related fields of study. Conducts research in fields of military history, linguistics, political science, basic survival, ethnography and geographical intelligence in support of Air University schools and other agencies responsible for developing weapon systems, support systems and military organization, policy, tactics and strategy.

University of Arizona
LABORATORY OF TREE-RING RESEARCH
Tucson, Arizona — Founded 1937
Prof. Terah L. Smiley, Act. Director — Staff: Professional 4, Other 1

Conducts basic research on aspects of tree growth with respect to ecological conditions. Studies of long lived sequoia and bristlecone pines of California. Development of long tree-ring indices and dendroclimatic records. Study of dating problems involving prehistoric items and events primarily in the field of archaeology. Engaged in arid lands studies with respect to plant growth. Publication: Laboratory of Tree-Ring Research Bulletin Series, irregular.

Brandeis University
PHILIP W. LOWN INSTITUTE OF ADVANCED JUDAIC STUDIES
Waltham 54, Massachusetts
Dr. Alexander Altmann, Director — Founded 1960

Recently established in order to conduct research in the various fields of Judaic studies. Two publication series are projected: Brandeis Judaica Annual and Brandeis Judaica Series.

University of California
WATER RESOURCES CENTER
405 Hilgard Avenue
Los Angeles 24, California — Founded 1957
Martin R. Huberty, Director — Staff: Professional 1, Other 2

Coordinates and encourages research on water availability and use. Studies are conducted which center on economic, engineering and social aspects of water problems. Recent efforts were concerned with the utilization of ground water, economic growth and water use, irrigation's effect on farm output, water reclimation and surface water hydrology. Sponsors conferences on various problems. Publications: Water Resources Center Contribution Series, irregular, Water Resources Center Archives Series, irregular.

University of California
WHITE MOUNTAIN RESEARCH STATION
P.O. Box 31
Big Pine, California — Founded 1950
Dr. Nello Pace, Director — Staff: Professional 2, Other 4

Provides laboratory facilities for the performance of high altitude research at elevations of 10,150 feet, 12,470 feet and 14,250 feet above sea level the study of comparative physiology of mammals native to the area.

University of California
FOREST PRODUCTS LABORATORY
1301 South 46th Street
Richmond, California — Founded 1950
Fred E. Dickinson, Director — Staff: Professional 16, Other 6

Conducts basic and applied research in chemistry and physical properties of wood, including: wood chemistry (wood and bark extractives), chemical processing (solvent drying of wood), fiber (pulping technology), timber mechanics (gross strength properties and properties of wood elements), glues and gluing (adhesion principles and end wood gluing), and timber physics (wood permeability, control of dimensional change, drying). Publication: California Forestry and Forest Products, irregular.

University of California
VISIBILITY LABORATORY
Scripps Institution of Oceanography
San Diego 52, California — Founded 1948
S.Q.Duntley, Director — Staff: Professional 19, Other 22

Conducts research on all aspects of search, detection, and recognition phenomena by means of human vision or by comparable physical detectors; relevant experimental and theoretical studies of the optical properties of the oceans, the atmosphere, and land surfaces; investigation of the fundamentals of the human visual process; studies of the basic properties of physical detectors.

Central Michigan University
ATOMIC RESEARCH PROJECT
Box 267
Mt. Pleasant, Michigan — Founded 1953
Dr. LaVerne L. Curry — Staff: Professional 1, Other 1

Conducts research on the role of freshwater midges in the turnover of radioactive substances in hydrosols, and their taxonomy and to determine if specific species can be used as indicator organisms with regard to radioactive pollution.

Clemson College
TEXTILE RESEARCH DEPARTMENT
Clemson, South Carolina — Founded 1958
Thomas D. Efland, Head — Staff: Professional 4, Other 5

Engages primarily in contract research for private and government sponsored organizations. Investigations are conducted in the field of fiber evaluation and processing, development of machinery, devising of testing implementation and applied textile chemistry.

Colgate Rochester Divinity School
DEPARTMENT OF FIELD WORK AND RESEARCH
1100 South Goodman Street
Rochester 20, New York — Founded 1950
Dr. Milton Froyd — Staff: Professional 3, Other 2

Conducts research related primarily to ministerial graduate training, field work supervision, curriculum, counseling, correlation of testing with program of remedial help and achievement.

Colorado State University
COLORADO COOPERATIVE POCKET GOPHER PROJECT
Experiment Station
Fort Collins, Colorado — Founded 1954
Dr. Richard M. Hansen, Chairman — Staff: Professional 5, Other 3

Conducts studies of vertebrate ecology, food habits, population dynamics, and habitat relations and control and management, especially on the following kinds of mammals: pocket gophers, coyotes, ground squirrels, prairie dogs, and meadow mice. Also studies other vertebrate pests and wildlife.

University of Colorado
INSTITUTE OF ARCTIC AND ALPINE RESEARCH
Boulder, Colorado — Founded 1951
Dr. John W. Marr, Director — Staff: Professional 1, Other 1

Research studies include: ecology of the front range in Colorado; environment measures of four mountain climax regions; ecosystems of alpine tundra; ecology of forest-tundra transition regions; ecology of the Thule, Greenland region, and McKinley Park, Alaska; genesis of patterned ground in mountains; effects of visitor use on the landscape in Rocky Mountain National Park; radiation ecology. Conducts Alpine Research Seminar and sponsors monthly meetings in Colorado and Wyoming.

Columbia University
COUNCIL FOR ATOMIC AGE STUDIES
510 Kent Hall
New York 27, New York — Founded 1957
Philip C. Jessup, Isidor I. Rabi, Co-Chrm. — Staff: Professional 1, Other 1

Set up to identify and study new and awesome problems facing society as a result of technological developments. Principal efforts to date have been the sponsored conferences and the publication of reports related to modern day problems.

Columbia University
NATIONAL MANPOWER COUNCIL
New York 27, New York — Founded 1951
Henry David, Exec. Director — Staff: Professional 12, Other 3

Sponsors and conducts research on manpower problems centering on the quality of the nation's resources, its training, skills, capacities and creativeness. Research results are published and bear a statement from the council making recommendations designed to contribute toward furtherance of national manpower development. Informational activities through press, radio, television and periodicals are designed to contribute to policy undertaking and judgements. Sponsors working conferences, regional and national meetings. Sponsored in cooperation with the Ford Foundation.

Cornell University
AUTOMOTIVE CRASH INJURY RESEARCH
316 East Sixty-first Street
New York 21, New York — Founded 1951
Dr. John O. Moore, Director — Staff: Professional 20, Other 20

Conducts studies in order to isolate and identify specific structural causes of injuries sustained by passenger car occupants under common and typical accident conditions. Data is collected through cooperation of police, public health, and medical agencies in 17 states. Research findings are released through reports published in scientific journals, or where appropriate, are published by the project.

Cornell University
CORNELL PROGRAM IN SOCIAL PSYCHIATRY
322 Rand Hall
Ithaca, New York — Founded 1958
Prof. Alexander H. Leighton, M.D. — Staff: Professional 10, Other 7

Seeks to discover through research the relationship between psychiatric disorder and sociocultural factors. Areas of emphasis include: comparative investigation of ill and well personalities in a variety of known sociocultural contexts; examination of the diagnostic process of psychiatry to determine sociocultural factors influencing definition and perception of illness; cross cultural comparisons to develop influences of culture and cultural change. Recent studies were being conducted in Nova Scotia, New York City, Alaska, Mexico and Nigeria.

Cornell University
HOUSING RESEARCH CENTER
Ithaca, New York — Founded 1950
Glenn H. Beyer, Director — Staff: Professional 2, Other 2

Scope of research extends from investigations in housing technology to studies of human behavior as it influences man's shelter requirements. The field traverses such subject areas as design, materials, equipment and appliances, structural methods, environment, family living, economics and finance, government, law and regulations and health. Research methods include laboratory experimentation, surveys, case studies and library research. Sponsorship includes foundations, industry and government. Publication: Housing Research Publications, irregular.

Eastern Mennonite College
RESEARCH COUNCIL
Harrisonburg, Virginia
Irving B. Horst — Founded 1959

Recently organized to promote interest in advanced study, research, and writing, particularly in the areas of Mennonite life and culture. Also interested in the study of German culture, particularly in the Shenandoah Valley of Virginia and in related areas in Eastern United States. Sponsors a lecture program.

Episcopal Theological Seminary of the Southwest
RESEARCH CENTER IN CHRISTIAN THEOLOGY AND CULTURE
606 Rathervue Place
Austin 5, Texas
Dr. Das Kelly Barnett, Director — Staff: Professional 1

Conducts research dealing with the nature of contemporary culture and the relation of religion to it, collects materials basic to research and which will aid in developing a clearing center of information on the center's areas of interest. Provides consultative research aid on projects related to theology and culture and issues publications based upon research efforts.

Fordham University
INSTITUTE OF MISSION STUDIES
Bronx 58, New York
Rev. J. Franklin Equing, S.J., Director

George Washington University
LOGISTICS RESEARCH PROJECT
707 22nd Street, N.W.
Washington 7, D.C. — Founded 1949
W.H. Marlow — Staff: Professional 20, Other 18

Research effort centers upon the application of scientific techniques and modern computing equipment to problems of naval logistics. Studies have dealt with inventory problems in areas of demand prediction based on usage data and measures of military worth, war gaming, and mobilization planning. Sponsors Logistics Research Project Conferences and informal seminars.

Harvard University
BUSCH-REISINGER MUSEUM OF GERMANIC CULTURE
Kirkland Street
Cambridge, Massachusetts
Prof. Charles L. Kuhn, Curator

Harvard University
CENTER FOR THE STUDY OF HISTORY OF LIBERTY IN AMERICA
Widener 783
Cambridge 38, Massachusetts — Founded 1958
Prof. Oscar Handlin, Director — Staff: Professional 7

Conducts scholarly studies in developing an overall understanding of the historical development of freedom in the United States. Research fields embrace political, social and institutional factors. Summaries of studies are issued in monographic form.

Harvard University
DUMBARTON OAKS RESEARCH LIBRARY AND COLLECTION
1703 Thirty-second Street, N.W.
Washington 7, D.C. — Founded 1940
John S. Thacher, Director — Staff: Professional 11, Other 18

A research center devoted to the study of Byzantine and medieval humanities. Fields of investigation include the late classical and early Christian period as well as the middle ages with particular emphasis on the eastern Roman empire. Studies cover art, archeology and history, as well as literature, theology, music and law. Sponsors lectures, symposia and concerts. Publication: Dumbarton Oaks Papers, annual.

Harvard University
WILLIAM HAYES FOGG ART MUSEUM
Quincy Street
Cambridge 38, Massachusetts — Founded 1895
John Coolidge, Director — Staff: Professional 17, Other 28

Engaged in two research programs. The Rubel Asiatic Research Bureau, "maintains the leading collection of Far Eastern art books and photographs in the western hemisphere." In conjunction with Cornell University continues in a ten year excavation project at Sardis, the capital of Lydia. Publication: Newsletter, monthly.

Idaho State College
POISON INFORMATION CENTER
Pocatello, Idaho
Dr. Laurence E. Gale, Dean

University of Illinois
CONTROL SYSTEMS LABORATORY
Graduate College
Urbana, Illinois — Founded 1951
Dr. Daniel Alpert, Director — Staff: Professional 36, Other 32

Research centers on data processing and applications of high speed digital computers, ultra high vacuum, surface and plasma physics, electric vacuum gyroscopes. Publication: Quarterly Progress Reports.

University of Illinois
ELECTRON MICROSCOPE LABORATORY
Noyes Laboratory
Urbana, Illinois — Founded 1942
Dr. Rubin Borasky — Staff: Professional 1, Other 1

Conducts research, development and service work in all science disciplines wherein the electron microscope can be used as an analytical tool. Sponsors seminar program on research and applications of electron microscope.

University of Illinois
INSTITUTE OF AVIATION
318 Civil Engineering Hall
Urbana, Illinois — Founded 1945
Leslie A. Bryan, Director — Staff: Professional 24, Other 36

The Institute is a horizontal agency which attempts to channel research concerned with aviation problems to the department best qualified to handle it and then often works cooperatively with that department. A few projects from time to time are handled by the Institute alone. Publication: Aeronautics Bulletins, irregular.

University of Illinois
SMALL HOMES COUNCIL-BUILDING RESEARCH COUNCIL
Urbana, Illinois — Founded 1944
Rudard A. Jones, Director — Staff: Professional 5, Other 6

Conducts research in housing and building with emphasis on construction methods (trusses, panelization, framing) and design of dwellings. Studies are conducted in such areas as high density housing, comfort in dwellings, and built-up roofing. Publishes non-technical bulletins on home planning and building. Publication: Small Homes Council Circular Series, irregular.

Indiana University
INSTITUTE FOR SEX RESEARCH
318 Jordan Hall
Bloomington, Indiana — Founded 1947
Dr. Paul H. Gebhard, Exec. Director — Staff: Professional 6, Other 1

Conducts research on human sex behavior. Attempts to coordinate previously published studies and to secure new data on any and all aspects of human sexual behavior which are amenable to scientific exploration and analysis. Maintains a library of more than 20,000 volumes related to its study program. Research results are published in monograph form.

University of Kansas
MUSEUM OF NATURAL HISTORY
Lawrence, Kansas — Founded 1868
Dr. E. Raymond Hall, Director — Staff: Professional 8, Other 10

Sponsors program of expeditions related to specimen collection in the fields of zoology, paleontology and archeology.

Lawrence College
INSTITUTE OF PAPER CHEMISTRY
Appleton, Wisconsin
John G. Strange, President

University of Maryland
ASPHALT INSTITUTE
College Park, Maryland — Founded 1919
J.E. Buchanan, President — Staff: Professional 49, Other 38

Research is aimed at improving and developing new uses for petroleum asphalt. Sponsors occasional symposia, conferences, forums and institutes. Publication: Asphalt Institute Quarterly.

Massachusetts Institute of Technology
CENTER FOR COMMUNICATION SCIENCES
Boston, Massachusetts

Coordinates research programs in communications processes in both natural and man-made systems.

University of Miami
ELECTRON MICROSCOPE LABORATORY
Coral Gables, Florida
Claude F. Carter, Director — Founded 1951

Maintains following equipment: R.C.A. electron microscope, equipment for preparing and refrigeration of specimens, facilities for developing, enlarging and printing the resulting picture.

University of Miami
HOUSING RESEARCH LABORATORY
Coral Gables 46, Florida — Founded 1950
A.A. Sakhnovsky, Director — Staff: Professional 1, Other 1

Operates as a testing and research center for problems dealing with building materials and components such as windows, doors, curtain walls, roofing materials, and awning shutters. Most of the studies are sponsored by the manufacturers of the materials tested.

University of Miami
ILLUMINATION LABORATORY
Anastasia Building - Room 176
Coral Gables, Florida — Founded 1954

Maintains following facilities: A display room illustrating the aesthetic value of properly designed luminaries, including variable-brightness fluorescent panels; room with variable ceiling and walls for testing the illumination pattern of typical commercial luminaries, room with photometric equipment for light flux and candle power distribution measurements.

University of Miami
MACHINERY LABORATORY
Anastasia Building - Room 113
Coral Gables, Florida — Founded 1947

Maintains equipment for brake tests on small electrical motors and gasoline engines, equipment for measuring and testing insulation, meters, motor and generator operation, power and frequency.

University of Miami
MORTON COLLECTANEA
Coral Gables, Florida
Julia F. Morton, Director — Founded 1932

Conducts program devoted to the acquisition, classification and maintenance of data dealing with the world's sources of food and food elements; with all edible substances, plant and animal, and their uses. Also engaged in study of economic botany and economic zoology. Files include more than 160,000 items of data collected in approximately 21,000 classified subject files of plant and animal species and of recognized foods and food adjuncts from arctic and antarctic areas to the tropics.

University of Michigan
CENTER FOR RESEARCH ON CONFLICT RESOLUTION
820 East Washington
Ann Arbor, Michigan — Founded 1959
Prof. Robert C. Angell, Chairman — Staff: Professional 1, Other 2

Seeks to develop a scientific program with the objective of bringing together the resources of all the social sciences to further the peaceful resolution of international conflicts. The program is supported by grants from foundations and private donors and includes sponsorship of research projects, predoctoral and postdoctoral fellowships, seminars and conferences, and the publication of a scholarly journal. Publication: The Journal of Conflict Resolution: A Quarterly for Research Related to War and Peace.

University of Michigan
PROJECT MICHIGAN
Willow Run, Michigan

An independently operating research effort concerned with the solution of problems of military surveillance. It is carried out under the general control of Willow Run Laboratories.

University of Montreal
LEXICOGRAPHIC RESEARCH CENTER
Linguistic Section
Montreal, P.Q., Canada — Founded 1956
J.P. Vinay, Director — Staff: Professional 3, Other 1

Prepares dictionaries and glossaries of French and English with special reference to Canadian usage. Maintains a special library and provides consulting services in lexicography to the public.

University of Nevada
BIOLOGY MUSEUM
Reno, Nevada — Founded 1955
Dr. Ira LaRivers, Director — Staff: Professional 3

Collects and maintains representative Nevada floras and faunas. Conducts field ecological and taxonomic studies of Nevada plants and animals and physio-ecologic studies of certain plants, mammals, birds, reptiles, fishes and insects of the state. The museum also includes the herbarium. Publications: Occasional Papers, irregular.

University of Nevada
DESERT RESEARCH INSTITUTE
Reno, Nevada
Dr. William R. Wood, Acting Director — Founded 1959

Establishment of the Desert Research Institute has only very recently been authorized. Projected activities are still in the planning process.

City College of New York
SPEECH CLINIC
Convent Avenue at 139th Street
New York 31, New York
Prof. R. Corbin Pennington, Director

North Carolina State College
TEXTILE RESEARCH CENTER
School of Textiles
Raleigh, North Carolina — Founded 1948
William A. Newell, Director — Staff: Professional 28, Other 62

Conducts a program of basic and applied textile research involving all major natural and synthetic fibers on all major processing systems. Studies include polymer research, computer application research, and research into the applications of nuclear energy to textile materials and processes.

University of North Carolina
INSTITUTE OF FOLK MUSIC
Hill Music Hall
Chapel Hill, North Carolina — Founded 1931
Dr. Wilton Mason — Staff: Professional 1

Recent studies centered on instrumental folk music of the Appalachians and funeral music of New Orleans. An active program is aimed at providing definitive recordings of the many well-known North Carolina folk musicians, Bascom Lunsford, Carl Sandburg, I.G. Greer, Artus Moser, and others. These tapes will be housed in the Institute Archives.

University of Notre Dame
JACQUES MARITAIN CENTER
Notre Dame, Indiana — Founded 1958
Joseph W. Evans, Director — Staff: Professional 1

Conducts research in philosophy and serves as a library and study center for the writings of the Thomist philosopher after whom the facility is named.

University of Notre Dame
MEDIAEVAL INSTITUTE
Box 597
Notre Dame, Indiana — Founded 1946
Dr. A.L. Gabriel, Director — Staff: Professional 7, Other 2

Conducts research in the history of mediaeval education, philosophy, theology and vernacular literature. Maintains special library of printed sources, books, microfilms and documents on this period. Sponsors lecture series featuring prominent scholars in the field of mediaeval civilization. Publication: Texts and Studies in the History of Mediaeval Education, irregular.

University of Oregon
MUSEUM OF NATURAL HISTORY
Eugene, Oregon — Founded 1878
Dr. L.S. Cressman, Director — Staff: Professional 3

Research program centers on archaeology (Great Basin and Columbia Plateau) vertebrate paleontology of the Great Basin, and plant geography.

Prairie View A & M College
HOUSING BUREAU
Prairie View, Texas
C.L. Wilson, Director — Founded 1958

Efforts relate to the development of techniques for expanding the supply of available housing for negros. Sponsors Annual Housing Conference.

Princeton University
INDEX OF CHRISTIAN ART
Princeton, New Jersey
Dr. R.B. Green, Director — Founded 1917

A continuing catalog of the monuments of Christian art, and of subjects represented upon them, extending from the beginning of Christian art to the year 1400. The subject index contains more than 450,000 cards representing descriptions and bibliography of about 35,000 monuments catalogued under 22,000 headings.

Princeton University
PRINCETON ARCHITECTURAL LABORATORY
Princeton, New Jersey
Dr. Robert W. McLaughlin, Jr., Director Founded 1949

Research is carried out in the form of comparative analysis of architectural compositions, including ancient and modern forms. It is primarily a center for experimentation with light and varying climatic conditions.

University of Puerto Rico
PUERTO RICO NUCLEAR CENTER
College Station
Mayaguez, Puerto Rico — Founded 1957
Dr. J.L. Garcia de Quevedo, Act. Dir. — Staff: Professional 25, Other 36

Conducts a program of research centered around the peaceful applications of atomic energy including medical and industrial uses.

Purdue University
TRACE LEVEL RESEARCH INSTITUTE FOR RESIDUES & METABOLITES
Lafayette, Indiana
John E. Christian — Founded 1960

Designed to stimulate, strengthen, and coordinate scientific research dealing with the problems of chemical residues, metabolites and food additives. Sponsors basic research in the pharmacology, toxicology, metabolism, and residue properties of such materials as food additives, animal feed additives, drugs, cosmetics, animal growth promoters, plant nutrients and hormones, pesticides, soil additives, and other related chemical substances.

Rochester Institute of Technology
GRAPHIC ARTS RESEARCH DEPARTMENT
65 Plymouth Avenue South
Rochester 8, New York — Founded 1951
Warren L. Rhodes, Head — Staff: Professional 13, Other 2

Conducts research to apply scientific and engineering techniques to the problems of the printing industry. Projects are selected on the basis of liaison with newspapers and magazines, commercial printing firms, equipment manufacturers, research laboratories, technical conferences and through exhaustive literature surveys. Closely related is the Information Service which includes the maintenance of a technical library and which expedites information flow to the industry through a publication and reference service program. Sponsors seminars on Quality Control for the Graphic Industries, Color Control for the Graphic Industries. Publication: Graphic Arts Progress, bimonthly.

Rutgers-The State University
NEW JERSEY CERAMIC RESEARCH STATION
536 George Street
New Brunswick, New Jersey — Founded 1926
Dr. John H. Koenig, Director — Staff: Prof. 20, Other 7

Conducts research in the field of inorganic, non-metallic materials. Principal areas of research include: high temperature materials; dielectrics, ferroelectric, piezoelectric, ferromagnetic and semiconducting ceramics; glass, crystalline and composite materials.

St. Bonaventure University
FRANCISCAN INSTITUTE
St. Bonaventure, New York — Founded 1946
Rev. Innocent Daam, Acting Director — Staff: Professional 6, Other 2

Engaged in editing the works of William of Ockham, Franciscan philosopher and thologian. Sponsors lectures on Franciscan thought and doctrine. Publication: Franciscan Studies, quarterly.

St. John's University
INSTITUTE IN SACRED THEOLOGY
Jamaica 32, New York — Founded 1953
Rev. Vincent J. Nugent — Staff: Professional 4, Other 2

Conducts research in mariology, contemporary moral problems, justice and marriage. Future studies are anticipated in archeology, comparative religions, and contemporary protestantism. Publication: St. John's University Studies, Theological Series, annual.

St. John's University
PHILOSOPHY OF SCIENCE INSTITUTE
Jamaica 32, New York — Founded 1959
Vincent E. Smith — Staff: Professional 1, Other 1

Conducts study, research, teaching, and publication concerning borderland problems of philosophy and science. Publication: Philosophy of Science, annual.

Seton Hall University
INSTITUTE OF JUDAEO-CHRISTIAN STUDIES
31 Clinton Street
Newark 2, New Jersey — Founded 1953
Rev. John M. Oesterreicher, Director — Staff: Professional 1, Other 2

Conducts and inspires Judaeo-Christian studies on the relationship of Old and New Testaments, on the past and present relationships of Christians and Jews on the theological as well as the temporal plane. Publication: The Bridge, A Yearbook of Judaeo-Christian Studies, biennial.

State University of South Dakota
INSTITUTE OF INDIAN STUDIES
Vermillion, South Dakota
Dr. William H. Cape, Director — Founded 1955

Objectives are to conduct research, disseminate information and to render service on the political, economic, and social problems of the Indian population, particularly in the region of the Dakotas and Nebraska. Research studies are issued in monograph form. Sponsors Annual Conference on Indian Affairs and Annual Conference for Tribal Judges. Publication: News Report, 3 times a year.

Stevens Institute of Technology
EXPERIMENTAL TOWING TANK LABORATORY
Hoboken, New Jersey — Founded 1935

Conducts hydrodynamic research in small scale models of ships and boats. Studies maneuvering characteristics, motion and noise, control and flow phenomena.

Texas Christian University
ARCHIVES, FAITH AND ORDER COMMISSION
World Council of Churches
Fort Worth 29, Texas
Dr. A.T. DeGroot, Hon. Archivist — Founded 1953

One of nine international centers for gathering and organizing the published efforts of the World Council of Churches. Efforts are in progress for controlling the literature and issuing indexes of the publications of the faith and order commission.

University of Texas
ELECTRON MICROSCOPE LABORATORY
Biological Laboratories Building
Austin 12, Texas — Founded 1958
W. Gordon Whaley, Director — Staff: Professional 4

Conducts a wide range of studies in the fields of electron microscope research.

University of Texas
HUMANITIES RESEARCH CENTER
Austin 12, Texas — Founded 1957
Dr. Harry H. Ransom, Director — Staff: Professional 6, Other 2

A major purpose is to improve the research collections in the humanities and social sciences at the University of Texas and to see that these materials are as widely used as possible. Activities are therefore not limited to the university. Research activities seek to relate the humanities to the arts and sciences and are issued in monograph form upon completion. Publication: Texas Quarterly.

Tuskegee Institute
DEPARTMENT OF RECORDS AND RESEARCH
Tuskegee, Alabama — Founded 1908
Mrs. Jessie P. Guzman, Director — Staff: Professional 2, Other 3

Conducts studies and issues publications on race relations and the life and history of the Negro in America and elsewhere. Publication: The Negro Year Book, irregular.

University of Utah
INSTITUTE FOR THE STUDY OF RATE PROCESSES
Salt Lake City 12, Utah — Founded 1951
Dr. Henry Eyring — Staff: Professional 3

Conducts a wide range of research activities concerned with reaction rates in all the chemical processes.

Washington University
SEVER INSTITUTE OF TECHNOLOGY
Lindell and Skinker Boulevard
St. Louis 30, Missouri — Founded 1948
Dr. Gustav Mesmer, Director — Staff: Professional 45

An interdepartmental research program centering upon various problems of a scientific and technical nature.

Western Michigan University
C.C. ADAMS CENTER FOR ECOLOGICAL STUDIES
Kalamazoo, Michigan
Dr. Thane S. Robinson, Director — Founded 1956

Sponsors and directs graduate study in ecological research. Performs consultation services and maintains "one of the finest collections of ecological literature available." Publications: Occasional Papers, irregular.

Western Reserve University
CENTER FOR DOCUMENTATION AND COMMUNICATION RESEARCH
11201 Bellflower Road
Cleveland 6, Ohio — Founded 1955
J.W. Perry, Director — Staff: Professional 10, Other 8

Conducts a continuing program directed toward the solution of problems in the organization, dissemination and utilization of recorded information. Major efforts have centered on the development of machine retrival apparatus and specialized information systems for particular fields of activity. Sponsors annual national and international meetings. Publication: Newsletter, 3 times annually.

Yale University
BERNICE PAUAHI BISHOP MUSEUM
New Haven, Connecticut

Devoted to the study of Polynesian antiquities and to problems of anthropology and biology in the Pacific area.

Yale University
JUDAICA RESEARCH
New Haven, Connecticut
Dr. Leon Nemoy, Editor — Founded 1944

Conducts a program of preparation and publication of scholarly English translations of significant works of Hebrew literature, principally of the medieval period. Publication: Yale Judaica Series, irregular.

SECTION 18—APPENDIX

NATIONAL COUNCIL OF UNIVERSITY RESEARCH ADMINISTRATORS

The National Council of University Research Administrators was formed February 1960 at a meeting held at the University of Chicago. Research directors and administrators from forty American universities attended this organizational meeting. The current membership totals 97.

The objective of NCURA is to provide a forum for discussion and exchange of ideas of information on research policies in colleges, universities and technological institutes. Membership in the council is on a personal rather than an institutional basis and is open to anyone concerned with the administration of university sponsored research activities.

NCURA officers are:

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